

# Introduction to ASCII



### What is ASCII

- American Standard Code for Information Interchange
- An ordering scheme that organizes characters into a numerical arrangement
- Standard ASCII
  - Values 0 − 127
- Extended ASCII
  - Values 128 255



```
Dec Hx Oct Char
                                     Dec Hx Oct Html Chr
                                                          Dec Hx Oct Html Chr Dec Hx Oct Html Chr
    0 000 NUL (null)
                                      32 20 040   Space
                                                           64 40 100 4#64; 0
                                                                              96 60 140 @#96;
                                      33 21 041 4#33;
                                                           65 41 101 A A
     001 SOH (start of heading)
                                                                              97 61 141 4#97;
                                      34 22 042 4#34; "
    2 002 STX (start of text)
                                                           66 42 102 B B
                                                                              98 62 142 4#98;
                                                                              99 63 143 4#99:
                                      35 23 043 4#35; #
                                                           67 43 103 C C
    3 003 ETX (end of text)
              (end of transmission)
                                      36 24 044 $ $
                                                           68 44 104 D D
                                                                             100 64 144 d d
    4 004 EOT
              (enquiry)
                                      37 25 045 4#37; %
                                                           69 45 105 E E
                                                                             101 65 145 @#101; @
    5 005 ENQ
    6 006 ACK
             (acknowledge)
                                      38 26 046 4#38; 4
                                                           70 46 106 F F
                                                                             102 66 146 @#102; f
 7
    7 007 BEL
                                      39 27 047 4#39;
                                                           71 47 107 G G
                                                                             103 67 147 @#103; g
              (bell)
                                      40 28 050 4#40; (
                                                           72 48 110 H H
                                                                             104 68 150 @#104; h
    8 010 BS
              (backspace)
                                                           73 49 111 I I
                                                                             105 69 151 @#105; i
    9 011 TAB
                                      41 29 051 )
              (horizontal tab)
                                                                             106 6A 152 @#106; j
                                      42 2A 052 *
                                                           74 4A 112 6#74; J
    A 012 LF
              (NL line feed, new line)
10
                                                                             107 6B 153 k k
   B 013 VT
              (vertical tab)
                                      43 2B 053 + +
                                                           75 4B 113 4#75; K
11
                                      44 2C 054 ,
                                                           76 4C 114 L L
                                                                                 6C 154 l 1
    C 014 FF
              (NP form feed, new page)
13
   D 015 CR
              (carriage return)
                                      45 2D 055 -
                                                           77 4D 115 6#77; M
                                                                             109 6D 155 m M
   E 016 S0
              (shift out)
                                      46 2E 056 .
                                                           78 4E 116 N N
                                                                             110 6E 156 n n
   F 017 SI
              (shift in)
                                      47 2F 057 / /
                                                              4F 117 O 0
                                                                             111 6F 157 o 0
  10 020 DLE
                                      48 30 060 4#48; 0
                                                           80 50 120 P P
                                                                             112 70 160 @#112; p
              (data link escape)
                                      49 31 061 4#49; 1
17 11 021 DC1
                                                           81 51 121 6#81; 0
                                                                             113 71 161 @#113; q
              (device control 1)
  12 022 DC2
             (device control 2)
                                      50 32 062 4#50; 2
                                                           82 52 122 R R
                                                                             114 72 162 r r
19 13 023 DC3
                                      51 33 063 3 3
                                                           83 53 123 4#83; $
                                                                             115 73 163 4#115; 3
              (device control 3)
                                      52 34 064 4#52; 4
                                                           84 54 124 T T
                                                                             116 74 164 @#116; t
20 14 024 DC4
              (device control 4)
              (negative acknowledge)
                                      53 35 065 4#53; 5
                                                           85 55 125 4#85; U
                                                                             117 75 165 u u
21 15 025 NAK
22 16 026 SYN
             (synchronous idle)
                                      54 36 066 4#54; 6
                                                           86 56 126 V V
                                                                             118 76 166 @#118; V
                                      55 37 067 4#55; 7
                                                                             119 77 167 w ₩
23 17 027 ETB
              (end of trans. block)
                                                           87 57 127 4#87; W
24 18 030 CAN
                                      56 38 070 4#56; 8
                                                           88 58 130 4#88; X
                                                                             120 78 170 x ×
              (cancel)
                                      57 39 071 4#57; 9
                                                           89 59 131 Y Y
                                                                             121 79 171 @#121; Y
25 19 031 EM
              (end of medium)
26 1A 032 SUB
              (substitute)
                                      58 3A 072 4#58; :
                                                           90 5A 132 4#90; Z
                                                                             122 7A 172 @#122; Z
                                      59 3B 073 &#59; ;
                                                           91 5B 133 4#91; [
                                                                             123 7B 173 {
27 1B 033 ESC
              (escape)
28 1C 034 FS
              (file separator)
                                      60 3C 074 < <
                                                           92 5C 134 \ \
                                                                             124 70 174 @#124;
                                      61 3D 075 = =
                                                           93 5D 135 ] ]
                                                                             125 7D 175 } )
29 1D 035 GS
              (group separator)
                                      62 3E 076 > >
                                                           94 5E 136 ^ ^
                                                                             126 7E 176 ~ ~
30 1E 036 RS
              (record separator)
                                                           95 5F 137 _ _
                                                                            127 7F 177  DEL
31 1F 037 US
              (unit separator)
                                      63 3F 077 ? ?
```



```
Dec Hx Oct Char
                                      Dec Hx Oct Html Chr
                                                           Dec Hx Oct Html Chr Dec Hx Oct Html Chr
    0 000 NUL
              (null)
                                      32 20 040   Space
                                                           64 40 100 4#64; 8
                                                                               96 60 140 `
                                      33 21 041 6#33; !
     001 SOH
             (start of heading)
                                                           65 41 101 A A
                                                                              97 61 141 4#97;
                                      34 22 042 6#34; "
             (start of text)
                                                           66 42 102 B B
                                                                              98 62 142 4#98;
    2 002 STX
                                      35 23 043 4#35; #
                                                           67 43 103 C C
                                                                              99 63 143 4#99;
    3 003 ETX (end of text)
              (end of transmission)
                                      36 24 044 $ $
                                                           68 44 10
                                                                     D D
                                                                              100 64 144 @#100; d
    4 004 EOT
              (enquiry)
                                      37 25 045 4#37; %
                                                           69 45 10
                                                                     E E
                                                                              101 65 145 @#101; @
    5 005 ENQ
    6 006 ACK
             (acknowledge)
                                      38 26 046 4#38; 4
                                                           70 46 1
                                                                              102 66 146 f f
                                                                              103 67 147 g g
    7 007 BEL
                                      39 27 047 4#39; '
                                                           71
              (bell)
                                      40 28 050 4#40;
                                                           72
                                                                              104 68 150 @#104; h
    8 010 BS
              (backspace)
                                                                                 69 151 i i
    9 011 TAB
                                      41 29 051 )
              (horizontal tab)
    A 012 LF
                                         2A 052 *
                                                                                 6A 152 j j
              (NL line feed, new line)
                                                                              106
                                      43 2B 053 + +
                                                                              107 6B 153 k k
    B 013 VT
              (vertical tab)
11
                                      44 2C 054 444;
                                                                                 6C 154 l 1
    C 014 FF
              (NP form feed, new page)
                                      45 2D 085 6#45;
    D 015 CR
              (carriage return)
                                                                             109 6D 155 m m
                                      46 2E 056 .
                                                                                 6E 156 n n
   E 016 S0
              (shift out)
                                                            78
                                                                              110
    F 017 SI
              (shift in)
                                      47 2F 057 / /
                                                           79 4F
                                                                     O 0
                                                                              111 6F 157 @#111; 0
   10 020 DLE
                                      48 30 060 4#48; 0
                                                           80 50 1 0 4#80;
                                                                              112 70 160 @#112; p
              (data link escape)
17 11 021 DC1
                                         31 061 4#49; 1
                                                           81 51 121 4#81; 0
                                                                              113 71 161 @#113; q
              (device control 1)
  12 022 DC2
              (device control 2)
                                      50 32 062 4#50; 2
                                                           82 52 122 R R
                                                                             114 72 162 r r
                                      51 33 063 4#51; 3
                                                           83 53 123 4#83; 5
                                                                              115 73 163 4#115; 3
19 13 023 DC3
              (device control 3)
                                                           84 54 124 T T
                                                                              116 74 164 t t
20 14 024 DC4
              (device control 4)
                                      52 34 064 & #52; 4
              (negative acknowledge)
                                      53 35 065 4#53; 5
                                                           85 55 125 x#85; U
                                                                              117 75 165 u u
21 15 025 NAK
22 16 026 SYN
              (synchronous idle)
                                      54 36 066 6 6
                                                           86 56 126 & $\ 86; \ \
                                                                              118 76 166 v V
                                      55 37 067 4#55; 7
                                                                              119 77 167 w ₩
23 17 027 ETB
              (end of trans. block)
                                                           87 57 127 4#87
24 18 030 CAN
                                      56 38 070 4#56; 8
                                                           88 58 130 4#88;
                                                                             126 78 170 x X
              (cancel)
                                      57 39 071 4#57; 9
                                                           89 59 131 Y Y
                                                                              121 79 171 6#121; Y
25 19 031 EM
              (end of medium)
26 1A 032 SUB
              (substitute)
                                      58 3A 072 4#58; :
                                                           90 5A 132 4#90; Z
                                                                             122 7A 172 @#122; Z
                                      59 3B 073 &#59; ;
                                                                              123
                                                                                 7B 17\3 {
27 1B 033 ESC
              (escape)
                                                           91 5B 133 [
28 1C 034 FS
              (file separator)
                                      60 3C 074 < <
                                                           92 5C 134 \
                                                                              124 70 174 6#124;
                                      61 3D 075 = =
                                                           93 5D 135 ]
                                                                              125 7D 175\ } )
29 1D 035 GS
              (group separator)
                                      62 3E 076 > >
                                                           94 5E 136 ^
30 1E 036 RS
              (record separator)
31 1F 037 US
              (unit separator)
                                      63 3F 077 ? ?
                                                           95 5F 137 _
                                                                              127 7F 177  DEL
                                                                         Source: www.LookupTables.com
```



Dec Hx Oct Char	Dec	: Hx Oct Html	Chr	Dec Hx Oct	Html Chr D	ec Hx Oct Html Chr
0 0 000 NUL (null)	32	20 040 4#32;	Space	64 40 100	∝#64; 0 9	6 60 140 @#96;
1 1 001 SOH (start of heading)	33		- 170			141 «#97; a
2 2 002 STX (start of text)	34		ASC	II Value	Decimal	142 b b
3 3 003 ETX (end of text)	35	Character			Value	L43 c €
4 4 004 EOT (end of transmission)	36	`	_		10	L44 d d
5 5 005 ENQ (enquiry)	37	\r		iage	13	145 @#101; e
6 6 006 ACK (acknowledge)	38		Retu	ırn		146 f f
7 7 007 BEL (bell)	39	`			10	[47 g g
8 8 010 BS (backspace)	40	\n	New	/ line Feed	10	L50 h h L51 i i
9 9 011 TAB (horizontal tab) 10 A 012 LF (NL line feed, new line)	41 42	\t	∐ori-	zontal Tab	9	L52 j j
11 B 013 VT (vertical tab)	43	\1	ПОП	20111011100	7	L53 k k
12 C 014 FF (NP form feed, new page)		\a	Bell		7	154 6#108; 1
13 D 015 CR (carriage return)	45		50			L55 m m
14 E 016 SO (shift out)	46	\f	New	/Page	12	L56 n n
15 F 017 SI (shift in)	47		Form	n feed		L57 o o
16 10 020 DLE (data link escape)	48					160 p <b>p</b>
17 11 021 DC1 (device control 1)	49	\v	Vert	ical tab	11	l61 q <mark>q</mark>
18 12 022 DC2 (device control 2)	50	\ 1			0	162 r <b>r</b>
19 13 023 DC3 (device control 3)	51	\b	Raci	kspace	8	163 s S
20 14 024 DC4 (device control 4)	52	\0	NULI		0	164 t t
21 15 025 NAK (negative acknowledge)	53				· ·	L65 u u
22 16 026 SYN (synchronous idle)	54			86 56 126		8 76 166 v V
23 17 027 ETB (end of trans. block)	55			87 57 127		9 77 167 w ₩
24 18 030 CAN (cancel) 25 19 031 EM (end of medium)	56 57			88 58 130 89 59 131		8 78 170 x × 1 79 171 y Y
26 1A 032 SUB (substitute)	58			90 5A 132		
27 1B 033 ESC (escape)	59			91 5B 133		
28 1C 034 FS (file separator)	60		-	92 5C 134		4 7C 174 6#124;
29 1D 035 GS (group separator)	61			93 5D 135		5 7D 175 6#125; }
30 1E 036 RS (record separator)	62			94 5E 136		6 7E 176 4#126: ~
31 1F 037 US (unit separator)	63	3F 077 ?		95 5F 137	_ <u>12</u>	7 7F 177  DEL
	j			•	Source:	www.LookupTables.com



```
Dec Hx Oct Char
                                     Dec Hx Oct Html
                                                     Chr
                                                           Dec Hx Oct Html Chr Dec Hx Oct Html Chr
                                      32 20 040   Space
    0 000 NUL (null)
                                                           64 40 100 4#64; 0
                                                                               96 60 140 4#96;
                                      33 21 041 4#33; !
                                                           65 41 101 A A
                                                                              97 61 141 4#97;
    1 001 SOH (start of heading)
                                      34 22 042 4#34; "
                                                                               98 62 142 b b
    2 002 STX (start of text)
                                                           66 42 102 B B
                                                           67 43 103 C C
                                                                              99 63 143 4#99; 0
    3 003 ETX (end of text)
                                      35 23 043 4#35; #
              (end of transmission)
                                      36 24 044 $ $
                                                           68 44 104 D D
                                                                             100 64 144 &#1<del>98; **</del>
    4 004 EOT
              (enquiry)
                                      37 25 045 4#37; %
                                                           69 45 105 E E
                                                                             101 65 148 6#101; 6
    5 005 ENQ
                                                                             102 66 146 f f
                                                           70 46 106 F F
    6 006 ACK (acknowledge)
                                      38 26 046 4#38; 4
 7
    7 007 BEL
                                      39 27 047 4#39;
                                                           71 47 107 G G
                                                                             103 $7 147 @#103; g
              (bell)
                                      40 28 050 4#40; (
                                                           72 48 110 H H
                                                                             104 68 150 6#104; h
    8 010 BS
              (backspace)
    9 011 TAB
                                                           73 49 111 6#73; I
                                                                             105 69 151 4#105; 1
                                      41 29 051 )
              (horizontal tab)
                                      42 2A 052 * *
                                                            74 4A 112 @#74; J
                                                                             106 6A 152 @#106; j
    A 012 LF
              (NL line feed, new line)
                                                           75 4B 113 4#75; K
                                                                             107 6B 153 k k
    B 013 VT
              (vertical tab)
                                      43 2B 053 + +
11
                                      44 2C 054 ,
                                                           76 4C 114 L L
                                                                             108 6C 154 l l
    C 014 FF
              (NP form feed, new page)
    D 015 CR
              (carriage return)
                                      45 2D 055 -
                                                           77 4D 115 4#77; M
                                                                             109 6D 155 m M
                                                           78 4E 116 N N
                                                                             110 6E 156 n n
   E 016 S0
              (shift out)
                                      46 2E 056 .
                                                              4F 117 O 0
                                                                             111 6F 157 @#111; 0
   F 017 SI
              (shift in)
                                      47 2F 057 @#47;
16 10 020 DLE
                                      48 30 060 4#48; 0
                                                           80 50 120 4#80;
                                                                             112 70 160 @#112; p
              (data link escape)
17 11 021 DC1
                                                           81 51 121 4#81/2 0
                                      49 31 061 4#49; 1
                                                                             113 71 161 @#113; q
              (device control 1)
                                      50 32 062 4#50; 2
                                                           82 52 122 6#82; R
18 12 022 DC2
              (device control 2)
                                                                             114 72 162 r r
                                                           83 53 122 4#83; 5
19 13 023 DC3
                                      51 33 063 3 3
                                                                             115 73 163 @#115; 3
              (device control 3)
                                      52 34 064 4#52; 4
                                                           84 54 124 6#84; T
                                                                             116 74 164 t 5
20 14 024 DC4
              (device control 4)
              (negative acknowledge)
                                      53 35 065 4#53; 5
                                                           85 55 125 U U
                                                                             117 75 165 u u
21 15 025 NAK
                                                                             118 76 166 v V
22 16 026 SYN
              (synchronous idle)
                                      54 36 066 4#54; 6
                                                           86 56 126 V V
                                                                             119 77 167 w ₩
23 17 027 ETB
              (end of trans. block)
                                      55 37 067 4#55; 7
                                                           87 57 127 4#87; W
24 18 030 CAN
                                      56 38 070 4#56; 8
                                                           88 58 130 4#88; X
                                                                             120 78 170 x ×
              (cancel)
                                      57 39 071 4#57; 9
                                                           89 59 131 Y Y
                                                                             121 79 171 @#121; Y
25 19 031 EM
              (end of medium)
26 1A 032 SUB
              (substitute)
                                      58 3A 072 ::
                                                           90 5A 132 Z Z
                                                                             122 7A 172 @#122; Z
                                      59 3B 073 &#59; ;
                                                           91 5B 133 4#91; [
                                                                             123 7B 173 @#123;
27 1B 033 ESC
              (escape)
28 1C 034 FS
              (file separator)
                                      60 3C 074 < <
                                                           92 5C 134 \ \
                                                                             124 70 174 @#124;
                                      61 3D 075 = =
                                                           93 5D 135 ] ]
                                                                             125 7D 175 } }
29 1D 035 GS
              (group separator)
                                      62 3E 076 > >
                                                           94 5E 136 ^ ^
                                                                             126 7E 176 ~ ~
30 1E 036 RS
              (record separator)
                                                                             127 7F 177  DEL
31 1F 037 US
              (unit separator)
                                      63 3F 077 ? ?
                                                           95 5F 137 _
                                                                         Source: www.LookupTables.com
```



				$\Lambda$									4					
Dec	Hx Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u>r</u>
0	0 000	MIII.	(null)	32	20	040		Space	64	40	100	@:	la .	96	60	140	` >	
í			(start of heading)				«#33;					A						a
2			(start of text)				a#34;					B						b
3			(end of text)				a#35;	1.00				a#67;					c	C
4	4 004	EOT	(end of transmission)	36	24	044	<b>%#36</b> ;	ş	68	44	104	«#68;	D	100	64	144	a#100;	ti
5	5 005	ENQ	(enquiry)	37	25	045	<b>%#37</b> ;	*	69	45	105	E	E	101	65	145	e	e
6	6 006	ACK	(acknowledge)	38	26	046	<b>%#38</b> ;	6	70	46	106	a#70;	F	102	66	146	£#102;	f
7	7 007	BEL	(bell)	39	27	047	<b>%#39;</b>	1	71	47	107	G	G	103	67	147	g	g 🖊
8	8 010	BS	(backspace)	40	28	050	«#40;	(	72	48	110	H	H				<b>%#104;</b>	
9	9 011	TAB	(horizontal tab)	41	29	051	)	)	73	49	111	I	I				i	
10	A 012		(NL line feed, new line)	42	2A	052	*	*	74	4A	112	«#74;	J				j	
11	B 013	VT	(vertical tab)	43	2B	053	6#43;	+	75	4B	113	<b>%#75</b> ;	K	107	6B	1,83	<b>%#107;</b>	k
12	C 014		(NP form feed, new page)	44	20	054	¢#44;	1				«#76;		108	6C	154	l	1
13	D 015	CR	(carriage return)	45	2D	055	<b>%#45</b> ;	E 1	77	4D	115	M	M				<b>%#109;</b>	
14	E 016	so	(shift out)	46	2E	056	.		100000000000000000000000000000000000000			<b>%#78;</b>		110	6E	156	n	n
15	F 017	SI	(shift in)	47	2F	057	6#47;	/				O		I T			o	
	10 020			48	30	060	<b>%#48</b> ;	0				P					p	
17	11 021	DC1	(device control 1)				«# <b>49</b> ;					Q					q	
18	12 022	DC2	(device control 2)	50	32	062	<b>%#50</b> ;	2				R					r	
19	13 023	DC3	(device control 3)	51	33	063	3	3				<b>S</b>		I T			s	
			(device control 4)				4					<b>%#84</b> ;		I T			t	
21	15 025	NAK	(negative acknowledge)				<b>5</b>					<b>%#85;</b>					u	
22	16 026	SYN	(synchronous idle)	54	36	066	<b>%#54</b> ;	6				<b>%#86;</b>		118	76	166	v	V
23	17 027	ETB	(end of trans. block)	55	37	067	7	7	87	57	127	W	M	119	77	167	w	w
24	18 030	CAN	(cancel)	56	38	070	8	8				488;		I T			x	
25	19 031	EM	(end of medium)	57	39	071	<b>%#57;</b>	9				<b>%#89;</b>					y	
	1A 032						<b>%#58;</b>					«#90;					z	
27	1B 033	ESC	(escape)	59	3B	073	;	;				«#91;					{	
28	1C 034	FS	(file separator)	60	3С	074	<	<	92	5C	134	\	- 1					
29	1D 035	GS	(group separator)				=					]	-				}	
30	1E 036	RS	(record separator)				>		94	5E	136	<b>4</b> ;	^				~	
31	1F 037	US	(unit separator)	63	ЗF	077	<b>?</b>	2	95	5F	137	<b>%#95</b> ;	_	127	7F	177		DEL
				-					-			-				11-	Tablaa	

WiRit Ne



```
Dec Hx Oct Char
                                     Dec Hx Oct Html
                                                     Chr
                                                          Dec Hx Oct Html Chr Dec Hx Oct Html Chr
                                      32 20 040   Space
                                                           64 40 100 4#64; 0
                                                                              96 60 140 4#96;
    0 000 NUL (null)
                                      33 21 041 4#33; !
                                                           65 41 101 A A
                                                                              97 61 141 4#97;
     001 SOH (start of heading)
                                      34 22 042 4#34; "
                                                                              98 62 142 4#98;
             (start of text)
                                                           66 42 102 B B
    2 002 STX
    3 003 ETX (end of text)
                                      35 23 043 4#35; #
                                                           67 43 103 C C
                                                                              99 63 143 4#99;
              (end of transmission)
                                      36 24 044 $ $
                                                           68 44 104 D D
                                                                             100 64 144 @#100; d
    4 004 EOT
              (enquiry)
                                      37 25 045 4#37; %
                                                           69 45 105 E E
                                                                             101 65 145 @#101; @
    5 005 ENQ
                                                           70 46 106 F F
                                                                             102 66 146 f f
    6 006 ACK
             (acknowledge)
                                      38 26 046 4#38; 4
    7 007 BEL
                                      39 27 047 4#39;
                                                           71 47 107 G G
                                                                             103 67 147 @#103; g
              (bell)
                                      40 28 050 4#40; (
                                                           72 48 110 H H
                                                                             104 68 150 @#104; h
    8 010 BS
              (backspace)
                                                           73 49 111 @#73; I
                                                                             105 69 151 @#105; i
    9 011 TAB
                                      41 29 051 )
              (horizontal tab)
    A 012 LF
                                      42 2A 052 *
                                                           74 4A 112 @#74; J
                                                                             106 6A 152 @#106; j
              (NL line feed, new line)
                                                           75 4B 113 4#75; K
                                                                             107 6B 153 k k
    B 013 VT
              (vertical tab)
                                      43 2B 053 + +
11
                                      44 2C 054 ,
                                                           76 4C 114 L L
                                                                             108 6C 154 @#108; 1
    C 014 FF
              (NP form feed, new page)
    D 015 CR
              (carriage return)
                                      45 2D 055 -
                                                           77 4D 115 6#77; M
                                                                             109 6D 155 m M
                                                                             110 6E 156 n n
   E 016 S0
              (shift out)
                                      46 2E 056 .
                                                           78 4E 116 N N
                                                                             111 6F 157 @#111; 0
   F 017 SI
              (shift in)
                                      47 2F 057 / /
                                                           79 4F 117 4#79; 0
16 10 020 DLE
                                      48 30 060 4#48; 0
                                                           80 50 120 P P
                                                                             112 70 160 @#112; p
              (data link escape)
                                      49 31 061 4#49; 1
                                                           81 51 121 6#81; 0
17 11 021 DC1
                                                                             113 71 161 @#113; q
              (device control 1)
18 12 022 DC2
              (device control 2)
                                      50 32 062 4#50; 2
                                                           82 52 122 R R
                                                                             114 72 162 r r
                                                                             115 73 163 s 3
19 13 023 DC3
                                      51 33 063 3 3
                                                           83 53 123 4#83; $
              (device control 3)
                                      52 34 064 4#52; 4
                                                           84 54 124 T T
                                                                             116 74 164 @#116; t
20 14 024 DC4
              (device control 4)
              (negative acknowledge)
                                      53 35 065 4#53; 5
                                                           85 55 125 4#85; U
                                                                             117 75 165 u u
21 15 025 NAK
22 16 026 SYN
              (synchronous idle)
                                      54 36 066 4#54; 6
                                                           86 56 126 V V
                                                                             118 76 166 v V
                                      55 37 067 4#55; 7
23 17 027 ETB
              (end of trans. block)
                                                           87 57 127 4#87; W
                                                                             119 77 167 w ₩
                                      56 38 070 4#56; 8
                                                           88 58 130 4#88; X
24 18 030 CAN
                                                                             120 78 170 x ×
              (cancel)
                                      57 39 071 4#57; 9
                                                           89 59 131 Y Y
                                                                             121 79 171 y Y
25 19 031 EM
              (end of medium)
26 1A 032 SUB
              (substitute)
                                      58 3A 072 4#58; :
                                                           90 5A 132 Z Z
                                                                             122 7A 172 @#122; Z
                                      59 3B 073 &#59; ;
                                                           91 5B 133 4#91; [
27 1B 033 ESC
              (escape)
                                                                                 7B 173 {
28 1C 034 FS
              (file separator)
                                      60 3C 074 < <
                                                           92 5C 134 \ \
                                                                             124 70 174 @#124;
29 1D 035 GS
                                      61 3D 075 = =
                                                           93 5D 135 ] ]
                                                                             125 7D 175 } )
              (group separator)
                                      62 3E 076 > >
                                                           94 5E 136 ^ ^
                                                                             126 7E 176 ~ ~
30 1E 036 RS
              (record separator)
                                                           95 5F 137 _
                                                                            127 7F 177  DEL
31 1F 037 US
              (unit separator)
                                      63 3F 077 ? ?
```

Lower case Letters



				$\Lambda$									4					
Dec	Hx Oct	Cha	r	Dec	Hx	Oct	Html	Chr	Dec	Hx	Oct	Html	Chr	Dec	Нх	Oct	Html CI	<u>nr</u>
0	0 000	NUL	(null)	32	20	040		Space	64	40	100	a#64;	0	96	60	140	<b>`</b> ;	*
1	1 001	SOH	(start of heading)	33	21	041	!	1	65	41	101	<b>%#65</b> ;	A	97	61	141	a	a
2	2 002	STX	(start of text)				 <b>4</b> ;					B		98	62	142	b	b
3	3 003	ETX	(end of text)				#					C					c	
4			(end of transmission)	36			\$					D					d	
5			(enquiry)	37			%					E					e	
6			(acknowledge)				<b>%#38;</b>					a#70;					f	
7			(bell)				'		-			a#71;					a#103;	
8	8 010		(backspace)	40			(	9				H					a#104;	
9	9 011		(horizontal tab)				)	)				a#73;					i	
10	A 012		(NL line feed, new line)				*					a#74;		-			j	
11	B 013		(vertical tab)				a#43;		V	1000		a#75;					a#107;	
12	C 014		(NP form feed, new page)				,					a#76;					l	
13	D 015		(carriage return)				<b>%#45</b> ;		1.0			<b>%#77</b> ;					a#109;	
14	E 016		(shift out)	46			&# <b>4</b> 6;		100000000000000000000000000000000000000			a#78;					n	
15	F 017		(shift in)	10.0			6#47;					a#79;					o	
	10 020		(data link escape)	48			0	100				<b>4#80</b> ;					p	
			(device control 1)	49			&#<b>49</b>;</td><td></td><td></td><td></td><td></td><td>Q</td><td>_</td><td></td><td></td><td></td><td>q</td><td></td></tr><tr><td></td><td></td><td></td><td>(device control 2)</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td><b>4#82</b>;</td><td></td><td></td><td>_</td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td>(device control 3)</td><td></td><td></td><td></td><td>3</td><td>200</td><td></td><td></td><td></td><td>S</td><td></td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td><b>4#84</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td>(negative acknowledge)</td><td></td><td></td><td></td><td><b>%#53;</b></td><td></td><td></td><td></td><td></td><td><b>4#85</b>;</td><td></td><td></td><td></td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td>4#86;</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td></td><td></td><td></td><td>(end of trans. block)</td><td></td><td></td><td></td><td>&#55<b>;</b></td><td></td><td></td><td></td><td></td><td><u>4#87;</u></td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>4#88;</td><td></td><td></td><td></td><td></td><td>a#120;</td><td></td></tr><tr><td></td><td>19 031</td><td></td><td>(end of medium)</td><td>200</td><td></td><td></td><td>9</td><td>12.1</td><td></td><td></td><td></td><td><b>4</b>#89;</td><td></td><td></td><td></td><td></td><td>y</td><td></td></tr><tr><td></td><td>1A 032</td><td></td><td>(substitute)</td><td>58</td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>Z</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td></td><td>1B 033</td><td></td><td>(escape)</td><td>59</td><td></td><td></td><td>&#59;</td><td>77</td><td></td><td></td><td></td><td>[</td><td>_</td><td>123</td><td></td><td></td><td>{</td><td></td></tr><tr><td></td><td>1C 034</td><td></td><td>(file separator)</td><td>60</td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>\</td><td></td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td></td><td>1D 035</td><td></td><td>(group separator)</td><td>61</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>]</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td>1E 036</td><td>-</td><td>(record separator)</td><td>62</td><td></td><td></td><td>></td><td>100</td><td></td><td></td><td></td><td>&#9<b>4</b>;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F 037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td>?</td><td>2</td><td>95</td><td>5F</td><td>137</td><td><b>%#95</b>;</td><td>_</td><td>127</td><td>7F</td><td>177</td><td>a#127;</td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87



						<b>A</b>													
<u>Dec</u>	Hx	Oct	Char	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u>r</u>
0	0	000	NUL	(null)						64	40	100	 <b>4</b> ;	0	96	60	140	<b>%#96;</b>	
1	1	001	SOH	(start of heading)				!		65	41	101	A	A	97	61	141	a	a
2	2	002	STX	(start of text)	34	22	042	 <b>4</b> ;	**	66	42	102	B	В	98	62	142	b	b
3	3	003	ETX	(end of text)	35	23	043	#	#	67	43	103	<b>%#67</b> ;	C	99	63	143	c	C
4	4	004	EOT	(end of transmission)	36	24	044	\$	ş	68	44	104	D	D			The second second	d	
5	5	005	ENQ	(enquiry)	37	25	045	%	*	69	45	105	E	E	101	65	145	e	e
6	6	006	ACK	(acknowledge)	38	26	046	&	6	70	46	106	a#70;	F	102	66	146	f	£
7	7	007	BEL	(bell)	39	27	047	'	1	71	47	107	G	G	103	67	147	g	g
8	8	010	BS	(backspace)	40	28	050	&# <b>4</b> 0;	(	72	48	110	H	H	104	68	150	h	h
9	9	011	TAB	(horizontal tab)	41	29	051	)	)	73	49	111	6#73;	I	105	69	151	i	i
10	A	012	LF	(NL line feed, new line)	42	2A	052	*	*	74	4A	112	6#74;	J	106	6A	152	j	j
11	В	013	VT	(vertical tab)	43	2B	053	+	+	75	4B	113	<b>%#75</b> ;	K	107	6B	153	k	k
12	С	014	FF	(NP form feed, new page)	44	20	054	,		76	4C	114	a#76;	L	108	6C	154	l	1
13	D	015	CR	(carriage return)	45	2D	055	&#<b>45</b>;</td><td>- 1</td><td>77</td><td>4D</td><td>115</td><td>6#77;</td><td>M</td><td>109</td><td>6D</td><td>155</td><td>m</td><td>m</td></tr><tr><td>14</td><td>E</td><td>016</td><td>so</td><td>(shift out)</td><td>46</td><td>2E</td><td>056</td><td>.</td><td>4.</td><td>78</td><td>4E</td><td>116</td><td>a#78;</td><td>N</td><td>110</td><td>6E</td><td>156</td><td>n</td><td>n</td></tr><tr><td>15</td><td>F</td><td>017</td><td>SI</td><td>(shift in)</td><td>47</td><td>2F</td><td>057</td><td>6#47;</td><td>1</td><td>79</td><td>4F</td><td>117</td><td><b>%#79</b>;</td><td>0</td><td>111</td><td>6F</td><td>157</td><td>o</td><td>0</td></tr><tr><td>16</td><td>10</td><td>020</td><td>DLE</td><td>(data link escape)</td><td>48</td><td>30</td><td>060</td><td>0</td><td>0</td><td>80</td><td>50</td><td>120</td><td>P</td><td>P</td><td>112</td><td>70</td><td>160</td><td>p</td><td>p</td></tr><tr><td>17</td><td>11</td><td>021</td><td>DC1</td><td>(device control 1)</td><td>49</td><td>31</td><td>061</td><td>&#<b>49</b>;</td><td>1</td><td>81</td><td>51</td><td>121</td><td>Q</td><td>Q</td><td>113</td><td>71</td><td>161</td><td>q</td><td><math>\mathbf{q}</math></td></tr><tr><td>18</td><td>12</td><td>022</td><td>DC2</td><td>(device control 2)</td><td>50</td><td>32</td><td>062</td><td>2</td><td>2</td><td>82</td><td>52</td><td>122</td><td>R</td><td>R</td><td>114</td><td>72</td><td>162</td><td>r</td><td>r</td></tr><tr><td>19</td><td>13</td><td>023</td><td>DC3</td><td>(device control 3)</td><td>51</td><td>33</td><td>063</td><td>3</td><td>3</td><td>83</td><td>53</td><td>123</td><td>S</td><td>S</td><td>115</td><td>73</td><td>163</td><td>s</td><td>s</td></tr><tr><td>20</td><td>14</td><td>024</td><td>DC4</td><td>(device control 4)</td><td>52</td><td>34</td><td>064</td><td>4</td><td>4</td><td>84</td><td>54</td><td>124</td><td><b>%#84</b>;</td><td>T</td><td>116</td><td>74</td><td>164</td><td>t</td><td>t</td></tr><tr><td>21</td><td>15</td><td>025</td><td>NAK</td><td>(negative acknowledge)</td><td>53</td><td>35</td><td>065</td><td><b>%#53;</b></td><td>5</td><td>85</td><td>55</td><td>125</td><td><b>%#85</b>;</td><td>U</td><td>117</td><td>75</td><td>165</td><td>u</td><td>u</td></tr><tr><td>22</td><td>16</td><td>026</td><td>SYN</td><td>(synchronous idle)</td><td>54</td><td>36</td><td>066</td><td><b>%#54;</b></td><td>6</td><td>86</td><td>56</td><td>126</td><td><b>%#86</b>;</td><td>V</td><td>118</td><td>76</td><td>166</td><td>v</td><td>v</td></tr><tr><td>23</td><td>17</td><td>027</td><td>ETB</td><td>(end of trans. block)</td><td>55</td><td>37</td><td>067</td><td>7</td><td>7</td><td>87</td><td>57</td><td>127</td><td><b>%#87</b>;</td><td>W</td><td>119</td><td>77</td><td>167</td><td>w</td><td><math>\mathbf{w}</math></td></tr><tr><td>24</td><td>18</td><td>030</td><td>CAN</td><td>(cancel)</td><td>56</td><td>38</td><td>070</td><td>8</td><td>8</td><td>88</td><td>58</td><td>130</td><td>X</td><td>X</td><td>120</td><td>78</td><td>170</td><td>x</td><td>×</td></tr><tr><td>25</td><td>19</td><td>031</td><td>EM</td><td>(end of medium)</td><td>57</td><td>39</td><td>071</td><td>9</td><td>9</td><td>89</td><td>59</td><td>131</td><td><b>%#89</b>;</td><td>Y</td><td>121</td><td>79</td><td>171</td><td>y</td><td>Y</td></tr><tr><td>26</td><td>1A</td><td>032</td><td>SUB</td><td>(substitute)</td><td>58</td><td>ЗА</td><td>072</td><td><b>%#58;</b></td><td>:</td><td>90</td><td>5A</td><td>132</td><td><b>%#90;</b></td><td>Z</td><td>122</td><td>7A</td><td>172</td><td>z</td><td>Z</td></tr><tr><td>27</td><td>1B</td><td>033</td><td>ESC</td><td>(escape)</td><td>59</td><td>зв</td><td>073</td><td><b>%#59;</b></td><td>;</td><td>91</td><td>5B</td><td>133</td><td>[</td><td>[</td><td>123</td><td>7B</td><td>173</td><td>{</td><td>{</td></tr><tr><td>28</td><td>1C</td><td>034</td><td>FS</td><td>(file separator)</td><td>60</td><td>3С</td><td>074</td><td><</td><td><</td><td>92</td><td>5C</td><td>134</td><td>«#92;</td><td>1</td><td>124</td><td>70</td><td>174</td><td> </td><td>1</td></tr><tr><td>29</td><td>1D</td><td>035</td><td>GS</td><td>(group separator)</td><td>61</td><td>ЗD</td><td>075</td><td>=</td><td>=</td><td>93</td><td>5D</td><td>135</td><td>]</td><td>]</td><td>125</td><td>7D</td><td>175</td><td>}</td><td>}</td></tr><tr><td>30</td><td>1E</td><td>036</td><td>RS</td><td>(record separator)</td><td>62</td><td>ЗE</td><td>076</td><td>></td><td>></td><td>94</td><td>5E</td><td>136</td><td>a#94;</td><td>٨</td><td>126</td><td>7E</td><td>176</td><td>~</td><td>~</td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td>?</td><td>2</td><td>95</td><td>5F</td><td>137</td><td>_</td><td></td><td>127</td><td>7F</td><td>177</td><td>a#127;</td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
i	105



	J			· ·		<u> </u>													
Dec	H	x Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u> r</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	<b>@</b> ;	0	96	60	140	<b>`</b> ;	
1	1	001	SOH	(start of heading)	33	21	041	<b>%#33;</b>	!	65	41	101	<b>A</b> ;	A	97	61	141	a#97;	a
2	2	002	STX	(start of text)	34	22	042	"	**	66	42	102	B	В	98	62	142	<b>%#98;</b>	b
3	3	003	ETX	(end of text)				#		67	43	103	C	C	99	63	143	c	C
4	4	004	EOT	(end of transmission)				<b>%#36;</b>					D					d	
5	5	005	ENQ	(enquiry)				%					E		-			e	
6				(acknowledge)				<b>%#38;</b>					F					f	
7				(bell)	39			<b>%#39;</b>		71			G					g	
8		010		(backspace)	40			&# <b>4</b> 0;	•	72			H					h	
9				(horizontal tab)				)	•	73			6#73;					i	
10		012		(NL line feed, new line)				*					a#74;		-			j	
11	_	013	_	(vertical tab)				+		1000			<b>%#75</b> ;					k	
12	_	014		(NP form feed, new page)				,					a#76;					l	
13		015		(carriage return)				<b>%#45</b> ;					6#77;					m	
14		016		(shift out)				.		100000			6#78;					n	
15	_	017		(shift in)				6#47;					a#79;	_				o	
				(data link escape)				0					<b>P</b> ;					p	
				(device control 1)		-		&#<b>49</b>;</td><td></td><td></td><td></td><td></td><td>Q</td><td>_</td><td></td><td></td><td></td><td>q</td><td>-</td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 2)</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>_</td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 3)</td><td>10.0</td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td><b>4#83</b>;</td><td></td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td><b>484</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(negative acknowledge)</td><td></td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td><b>6#85</b>;</td><td></td><td></td><td></td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td><b>4#86</b>;</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(end of trans. block)</td><td></td><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td><td>a#87;</td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>4#88;</td><td></td><td></td><td></td><td></td><td>x</td><td></td></tr><tr><td></td><td></td><td>031</td><td></td><td>(end of medium)</td><td></td><td></td><td></td><td>9</td><td></td><td></td><td></td><td></td><td><b>489</b>;</td><td></td><td></td><td></td><td></td><td>y</td><td>_</td></tr><tr><td></td><td></td><td></td><td>SUB</td><td></td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>a#90;</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(escape)</td><td></td><td></td><td></td><td>&#59;</td><td>-</td><td></td><td></td><td></td><td>[</td><td>_</td><td></td><td></td><td></td><td>{</td><td></td></tr><tr><td></td><td></td><td>034</td><td></td><td>(file separator)</td><td></td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>«#92;</td><td></td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td></td><td></td><td>035</td><td></td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>«#93;</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td></td><td>036</td><td></td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>a#94;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td>?</td><td>?</td><td>95</td><td>5F</td><td>137</td><td><b>%#95</b>;</td><td>_</td><td>127</td><td></td><td></td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
i	105
В	66



	J			· ·															
Dec	H	(Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u>r</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	@	0	96	60	140	`	*
1				(start of heading)	33	21	041	<b>%#33</b> ;	!	65	41	101	<b>%#65</b> ;	A	97	61	141	a	a
2	2	002	STX	(start of text)	34	22	042	"	**	66	42	102	B	В	98	62	142	<b>%#98;</b>	b
3	3	003	ETX	(end of text)				#		67	43	103	C	C	99	63	143	c	C
4	4	004	EOT	(end of transmission)				<b>%#36;</b>					D					d	
5	5	005	ENQ	(enquiry)				%					E					e	
6				(acknowledge)				<b>%#38;</b>					F					f	
7				(bell)	39			<b>%#39;</b>		71			G		100			g	
8		010		(backspace)	40			&# <b>4</b> 0;	•	72			H					h	
9				(horizontal tab)				)	•	73			6#73;					i	
10		012		(NL line feed, new line)				*					a#74;					j	
11	_	013	_	(vertical tab)				«#43;					<b>%#75</b> ;					k	
12	_	014		(NP form feed, new page)				,					a#76;					l	
13			CR					<b>%#45</b> ;					6#77;					m	
14		016		(shift out)				.		100000	_		a#78;					n	
15		017		(shift in)				6#47;					a#79;	_				o	
				(data link escape)				0					P					p	
				(device control 1)		-	400,000	&#<b>49</b>;</td><td></td><td></td><td></td><td></td><td>Q</td><td>_</td><td></td><td></td><td></td><td>q</td><td>_</td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 2)</td><td></td><td>-</td><td></td><td>2</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>_</td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 3)</td><td>100</td><td></td><td></td><td>3</td><td>200</td><td></td><td></td><td></td><td>S</td><td></td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td><b>%#84</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(negative acknowledge)</td><td>1 - 1 - 1</td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td>U</td><td></td><td></td><td></td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td>V</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(end of trans. block)</td><td></td><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td><td>a#87;</td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td>x</td><td></td></tr><tr><td></td><td></td><td>031</td><td></td><td>(end of medium)</td><td></td><td></td><td></td><td>9</td><td>200</td><td></td><td></td><td></td><td><b>%#89</b>;</td><td></td><td></td><td></td><td></td><td>y</td><td>_</td></tr><tr><td></td><td></td><td></td><td></td><td>(substitute)</td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>Z</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(escape)</td><td></td><td></td><td></td><td>&#59;</td><td>-</td><td></td><td></td><td></td><td>[</td><td>_</td><td></td><td></td><td></td><td>{</td><td></td></tr><tr><td></td><td></td><td>034</td><td></td><td>(file separator)</td><td></td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>«#92;</td><td></td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td></td><td></td><td>035</td><td></td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>«#93;</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td></td><td>036</td><td></td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>6#94;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>TF,</td><td>037</td><td>บร</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td>?</td><td>7</td><td>95</td><td>5F</td><td>137</td><td>_</td><td>_</td><td>127</td><td></td><td></td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
i	105
В	66
i	105



				<u>.</u>															
Dec	H	(Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u>r</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	<b>@</b> ;	0	96	60	140	`	•
1	1	001	SOH	(start of heading)	33	21	041	!	!	65	41	101	<b>A</b> ;	A	97	61	141	<b>%#97</b> ;	a
2	2	002	STX	(start of text)	34	22	042	 <b>4</b> ;	**	66	42	102	B	В	98	62	142	b	b
3				(end of text)				#		67	43	103	a#67;	C	99	63	143	c	C
4	4	004	EOT	(end of transmission)				<b>%#36;</b>					<b>D</b>				and the second second	d	
5				(enquiry)				%					E					e	
6				(acknowledge)				&					<b>%#70;</b>					f	
7				(bell)				'					a#71;	_	1000	-		g	
8		010		(backspace)				(	•				H					h	
9				(horizontal tab)				)	•				<b>%#73</b> ;					i	
10		012		(NL line feed, new line)				*					a#74;					j	
11	_	013	_	(vertical tab)				+		7 1000			<b>%#75</b> ;	700				k	
12		014		(NP form feed, new page)				,			1000		a#76;					l	
13		015		(carriage return)				<b>%#45</b> ;					<b>%#77;</b>					m	
14		016		(shift out)				&# <b>4</b> 6;		1000			<b>%#78;</b>					n	
15	_	017		(shift in)				6#47;					<b>%#79</b> ;					o	
				(data link escape)				0					P					p	
				(device control 1)				&#<b>49</b>;</td><td></td><td></td><td></td><td></td><td>Q</td><td></td><td></td><td></td><td></td><td>q</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 2)</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td></td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 3)</td><td>10.00</td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td><b>&#83;</b></td><td>200</td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td><b>484</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(negative acknowledge)</td><td></td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td><b>&#85</b>;</td><td></td><td></td><td></td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td><b>4</b>#86;</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(end of trans. block)</td><td></td><td></td><td></td><td><b>%#55</b>;</td><td></td><td></td><td></td><td></td><td><b>%#87</b>;</td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>a#88;</td><td></td><td></td><td></td><td></td><td>x</td><td></td></tr><tr><td></td><td></td><td>031</td><td></td><td>(end of medium)</td><td></td><td></td><td></td><td>9</td><td>12.0</td><td></td><td></td><td></td><td><b>489</b>;</td><td></td><td></td><td></td><td></td><td>y</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(substitute)</td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>a#90;</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(escape)</td><td></td><td></td><td></td><td>&#59;</td><td></td><td></td><td></td><td></td><td>[</td><td>-</td><td></td><td></td><td></td><td>{</td><td></td></tr><tr><td></td><td></td><td>034</td><td></td><td>(file separator)</td><td></td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>\</td><td></td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td></td><td></td><td>035</td><td></td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>]</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td></td><td>036</td><td></td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>a#94;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td><b>&#63;</b></td><td>?</td><td>95</td><td>5F</td><td>137</td><td>_</td><td>_</td><td>127</td><td>7F</td><td>177</td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>1 1 -</td><td> T-LI</td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
İ	105
В	66
i	105
t	116



	J			<u>.</u>															
Dec	H	Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	<u>ır</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	 <b>4</b> ;	0	96	60	140	`	
1	1	001	SOH	(start of heading)	33	21	041	<b>%#33;</b>	!	65	41	101	A	A	97	61	141	<b>%#97</b> ;	a
2	2	002	STX	(start of text)	34	22	042	 <b>4</b> ;	**	66	42	102	B	В	98	62	142	b	b
3				(end of text)				<b>%#35</b> ;					C					<b>%#99;</b>	_
4	4	004	EOT	(end of transmission)				<b>%#36;</b>					D				and the second second	d	
5				(enquiry)				<b>%#37;</b>					E					e	
6				(acknowledge)				<b>%#38</b> ;					F					f	
7				(bell)				<b>%#39;</b>					G		1000	700		g	
8		010		(backspace)				&# <b>4</b> 0;					H					h	
9				(horizontal tab)				)	•				I		the second secon			i	
10		012		(NL line feed, new line)				*					a#74;		-			j	
11	_	013	_	(vertical tab)				+		7 1000			<b>%#75</b> ;	700				k	
12		014		(NP form feed, new page)				«#44;			1000		a#76;					l	
13		015		(carriage return)				<b>%#45</b> ;					M					m	
14		016		(shift out)				«#46;		1000			N					n	
15	_	017		(shift in)				6#47;					O					o	
				(data link escape)				<b>448</b> ;					P					p	
				(device control 1)				«#49;					Q					q	
				(device control 2)				<b>%#50;</b>					R					r	
				(device control 3)	10.0			3					S					s	
				(device control 4)				4					 <b>4</b> ;					t	
				(negative acknowledge)				<b>%#53;</b>					U					u	
				(synchronous idle)				 <b>4</b> ;					V					v	
				(end of trans. block)				<b>%#55;</b>					W					w	
				(cancel)				8					488;					x	
		031		(end of medium)				9					Y					y	
				(substitute)				<b>%#58;</b>					Z					z	
				(escape)				&#<b>59</b>;</td><td>-</td><td></td><td></td><td></td><td>[</td><td>-</td><td></td><td></td><td></td><td>{</td><td></td></tr><tr><td></td><td></td><td>034</td><td></td><td>(file separator)</td><td></td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>\</td><td></td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td></td><td></td><td>035</td><td></td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>]</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td></td><td>036</td><td>-</td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td> </td><td></td><td></td><td>&#9<b>4</b>;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td><b>%#63;</b></td><td>2</td><td>95</td><td>5F</td><td>137</td><td>&#95<b>;</b></td><td>_</td><td>127</td><td>7F</td><td>177</td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td>1 1 -</td><td> T - LI</td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
i	105
В	66
i	105
†	116
	46



				_		<u> </u>													
Dec	H	(Oct	Cha	r	Dec	Hx	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	Hx	Oct	Html Ch	<u>nr</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	@	0	96	60	140	& <b>#</b> 96;	
1	1	001	SOH	(start of heading)	33	21	041	<b>%#33;</b>	!	65	41	101	A	A	97	61	141	a#97;	a
2	2	002	STX	(start of text)	34	22	042	 <b>4</b> ;	**	66	42	102	B	В	98	62	142	<b>%#98;</b>	b
3	3	003	ETX	(end of text)				#		67	43	103	C	C	99	63	143	<b>%#99;</b>	C
4				(end of transmission)				<b>%#36;</b>		68	44	104	D	D				d	
5	5	005	ENQ	(enquiry)				%					E					e	
6				(acknowledge)				<b>%#38;</b>					F					f	
7				(bell)				'		71	_		G					g	
8		010		(backspace)				&# <b>4</b> 0;		72			H		100			h	
9				(horizontal tab)				)	•				6#73;			The state of the s		i	
10		012		(NL line feed, new line)				*					a#74;		-			j	
11	_	013	_	(vertical tab)				+		7 1000			<b>%#75</b> ;					k	
12		014		(NP form feed, new page)				«#44;			1000		a#76;					l	
13			CR	(carriage return)				<b>%#45</b> ;					M					m	
14		016		(shift out)				&#<b>4</b>6;</td><td></td><td>100000</td><td>_</td><td></td><td>a#78;</td><td></td><td></td><td></td><td></td><td>n</td><td></td></tr><tr><td>15</td><td>_</td><td>017</td><td></td><td>(shift in)</td><td></td><td></td><td></td><td>6#47;</td><td></td><td></td><td></td><td></td><td>O</td><td>_</td><td></td><td></td><td></td><td>o</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(data link escape)</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td><b>&#80;</b></td><td></td><td></td><td></td><td></td><td>p</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 1)</td><td>State of the last</td><td></td><td></td><td>«#49;</td><td></td><td></td><td></td><td></td><td>Q</td><td></td><td></td><td></td><td></td><td>q</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 2)</td><td></td><td></td><td></td><td><b>%#50</b>;</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>_</td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 3)</td><td>100</td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td>S</td><td></td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td>&#8<b>4</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(negative acknowledge)</td><td></td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td>U</td><td></td><td></td><td></td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td>V</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td>23</td><td>17</td><td>027</td><td>ETB</td><td>(end of trans. block)</td><td></td><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td><td><b>%#87;</b></td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>4#88;</td><td></td><td></td><td></td><td></td><td>x</td><td></td></tr><tr><td></td><td></td><td>031</td><td></td><td>(end of medium)</td><td></td><td></td><td></td><td>9</td><td></td><td></td><td></td><td></td><td>Y</td><td></td><td></td><td></td><td></td><td>y</td><td>_</td></tr><tr><td></td><td></td><td></td><td></td><td>(substitute)</td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>Z</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td>27</td><td>18</td><td>033</td><td>ESC</td><td>(escape)</td><td></td><td></td><td></td><td>&#59;</td><td></td><td></td><td></td><td></td><td>[</td><td>-</td><td></td><td></td><td></td><td>{</td><td></td></tr><tr><td>28</td><td>10</td><td>034</td><td>FS</td><td>(file separator)</td><td>60</td><td>3С</td><td>074</td><td><</td><td><</td><td>92</td><td>5C</td><td>134</td><td>\</td><td>- 1</td><td></td><td></td><td></td><td> </td><td></td></tr><tr><td>29</td><td>1D</td><td>035</td><td>GS</td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td><b>%#93;</b></td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td>30</td><td>1E</td><td>036</td><td>RS</td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>&#9<b>4</b>;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td><b>%#63;</b></td><td>2</td><td>95</td><td>5F</td><td>137</td><td>_</td><td>_</td><td>127</td><td>7F</td><td>177</td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td>· ·</td><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td>1 1-</td><td> T-LI</td><td></td></tr></tbody></table>											

Character	ASCII Decimal
W	87
i	105
В	66
i	105
t	116
	46
n	110



												L							
Dec	Нх	Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Hx	Oct	Html Ch	ır_
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	<b>@</b> ;	0	96	60	140	<b>%#96;</b>	*
1	1	001	SOH	(start of heading)	33	21	041	!	!	65	41	101	A	A	97	61	141	a#97;	a
2	2	002	STX	(start of text)				 <b>4</b> ;		66	42	102	B	В	98	62	142	b	b
3	3	003	ETX	(end of text)	35	23	043	#	#	67	43	103	a#67;	C				c	C
4				(end of transmission)				\$					D	_				d	
5				(enquiry)				%					E					e	
6				(acknowledge)				&					F					f	
7				(bell)				'		-			G					g	
8		010		(backspace)				&# <b>4</b> 0;					H					h	
9				(horizontal tab)	100000000000000000000000000000000000000			)					6#73;					i	
10		012		(NL line feed, new line)	l .			&#<b>4</b>2;</td><td></td><td></td><td></td><td></td><td>a#74;</td><td></td><td></td><td></td><td></td><td>j</td><td></td></tr><tr><td>11</td><td></td><td>013</td><td></td><td>(vertical tab)</td><td></td><td></td><td></td><td>&#<b>4</b>3;</td><td></td><td>V</td><td>1000</td><td></td><td>a#75;</td><td>1</td><td></td><td></td><td></td><td>k</td><td></td></tr><tr><td>12</td><td>_</td><td>014</td><td></td><td>(NP form feed, new page)</td><td></td><td></td><td></td><td>,</td><td></td><td></td><td></td><td></td><td>a#76;</td><td></td><td></td><td></td><td></td><td>l</td><td></td></tr><tr><td>13</td><td></td><td>015</td><td></td><td>(carriage return)</td><td></td><td></td><td></td><td>&#<b>4</b>5;</td><td></td><td></td><td></td><td></td><td>6#77;</td><td></td><td></td><td></td><td></td><td>m</td><td></td></tr><tr><td>14</td><td></td><td>016</td><td></td><td>(shift out)</td><td></td><td></td><td></td><td>&#<b>4</b>6;</td><td></td><td>1000</td><td></td><td></td><td>a#78;</td><td></td><td>1</td><td></td><td></td><td>n</td><td></td></tr><tr><td>15</td><td>_</td><td>017</td><td></td><td>(shift in)</td><td></td><td></td><td></td><td>6#47;</td><td>-</td><td></td><td></td><td></td><td>O</td><td></td><td></td><td></td><td></td><td>o</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(data link escape)</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td>P</td><td></td><td></td><td></td><td></td><td>p</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 1)</td><td></td><td></td><td></td><td>&#<b>49</b>;</td><td></td><td></td><td></td><td></td><td>Q</td><td>_</td><td></td><td></td><td></td><td>q</td><td>_</td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 2)</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td><b>&#82;</b></td><td></td><td></td><td></td><td></td><td>r</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 3)</td><td>70.00</td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td><b>&#83;</b></td><td>200</td><td></td><td></td><td></td><td>s</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(device control 4)</td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td></td><td><b>484</b>;</td><td></td><td></td><td></td><td></td><td>t</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(negative acknowledge)</td><td></td><td></td><td></td><td><b>%#53;</b></td><td></td><td></td><td></td><td></td><td>U</td><td></td><td></td><td>_</td><td></td><td>u</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(synchronous idle)</td><td></td><td></td><td></td><td>&#5<b>4</b>;</td><td></td><td></td><td></td><td></td><td>V</td><td></td><td></td><td></td><td></td><td>v</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(end of trans. block)</td><td></td><td></td><td></td><td>&#55<b>;</b></td><td></td><td></td><td></td><td></td><td><b>%#87;</b></td><td></td><td></td><td></td><td></td><td>w</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(cancel)</td><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td>488;</td><td></td><td></td><td></td><td></td><td>x</td><td></td></tr><tr><td></td><td></td><td>031</td><td></td><td>(end of medium)</td><td>837 835</td><td></td><td></td><td>9</td><td></td><td></td><td></td><td></td><td>Y</td><td></td><td></td><td></td><td></td><td>y</td><td></td></tr><tr><td></td><td></td><td></td><td>SUB</td><td>(substitute)</td><td></td><td></td><td></td><td>:</td><td></td><td></td><td></td><td></td><td>Z</td><td></td><td></td><td></td><td></td><td>z</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>(escape)</td><td></td><td></td><td></td><td>&#59;</td><td>-</td><td></td><td></td><td></td><td>[</td><td>-</td><td></td><td>-</td><td></td><td>{</td><td></td></tr><tr><td></td><td></td><td>034</td><td></td><td>(file separator)</td><td></td><td></td><td></td><td><</td><td></td><td></td><td></td><td></td><td>\</td><td></td><td></td><td></td><td></td><td>&#12<b>4</b>;</td><td></td></tr><tr><td></td><td></td><td>035</td><td></td><td>(group separator)</td><td></td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td>]</td><td>-</td><td></td><td></td><td></td><td>}</td><td></td></tr><tr><td></td><td></td><td>036</td><td></td><td>(record separator)</td><td></td><td></td><td></td><td>></td><td></td><td></td><td></td><td></td><td>a#94;</td><td></td><td></td><td></td><td></td><td>~</td><td></td></tr><tr><td>31</td><td>1F</td><td>037</td><td>US</td><td>(unit separator)</td><td>63</td><td>ЗF</td><td>077</td><td>?</td><td>2</td><td>95</td><td>5F</td><td>137</td><td>&#95<b>;</b></td><td>_</td><td>127</td><td>7F</td><td>177</td><td></td><td>DEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>11-</td><td>Tablaa</td><td></td></tr></tbody></table>											

ASCII Decimal
87
105
66
105
116
46
110
101



	J			<u>.</u>															
Dec	H	Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	: Нx	Oct	Html Ch	<u>r</u>
0	0	000	NUL	(null)	32	20	040		Space	64	40	100	<b>@</b> ;	0	96	60	140	`	•
1	1	001	SOH	(start of heading)	33	21	041	<b>%#33;</b>	!	65	41	101	<b>A</b> ;	A	97	61	141	«#97;	a
2	2	002	STX	(start of text)	34	22	042	 <b>4</b> ;	**	66	42	102	B	В	98	62	142	b	b
3				(end of text)				#		67	43	103	a#67;	C	99	63	143	c	C
4	4	004	EOT	(end of transmission)				<b>%#36;</b>					<b>D</b>				and the second second	d	
5				(enquiry)				%					E					e	
6				(acknowledge)				&					<b>%#70;</b>					f	
7				(bell)				'					a#71;	_	1000	700		g	
8		010		(backspace)				(	•				H					h	
9				(horizontal tab)				)	•				6#73;		and the second second			i	
10		012		(NL line feed, new line)				*					a#74;		-			j	
11	_	013	_	(vertical tab)				+		7 1000			<b>%#75</b> ;	700				k	
12		014		(NP form feed, new page)				,			1000		a#76;					l	
13		015		(carriage return)				<b>445</b> ;					6#77;					m	
14		016		(shift out)				.		1000			a#78;					n	
15	_	017		(shift in)				6#47;					<b>%#79</b> ;					o	
				(data link escape)				0					<b>P</b> ;					p	
				(device control 1)				«#49;					Q					q	
				(device control 2)				2					R					r	
				(device control 3)	10.0			3					<b>S</b>	200				s	
				(device control 4)				4					a#84;					t	
				(negative acknowledge)				5					<b>U</b> ;					u	
				(synchronous idle)				 <b>4</b> ;					<b>486</b> ;					v	
				(end of trans. block)				<b>%#55</b> ;					<b>%#87</b> ;					w	
				(cancel)				8					4#88;					x	
		031		(end of medium)				9	12.0				<b>489</b> ;					y	
				(substitute)				:					<b>%#90;</b>					z	
				(escape)				;					[	-				{	
		034		(file separator)				<					\						
		035		(group separator)				=					]	-				}	
		036	-	(record separator)				>					«#94;					~	
31	1F	037	US	(unit separator)	63	ЗF	077	<b>?</b>	?	95	5F	137	_	_	127	7F	177		DEL
													-				1 1 -	T-LI	

Character	ASCII Decimal
W	87
i	105
В	66
i	105
t	116
	46
n	110
е	101
t	116



Character	ASCII Decimal	8-Bit Binary
W	87	01010111
i	105	01101001
В	66	01000010
i	105	01101001
t	116	01110100
	46	00101110
n	110	01101110
е	101	01100101
t	116	01110100



## WiBit.net in Binary

Character	ASCII Decimal	8-Bit Binary
W	87	01010111
i	105	01101001
В	66	01000010
i	105	01101001
†	116	01110100
	46	00101110
n	110	01101110
е	101	01100101
t	116	01110100



- A series of ASCII character values combined together
  - o "Hello! How are you today? What a lovely day to program!"
  - o "This is the first line\x0AThis is the second line"
  - o "This is the first line using Windows new line characters\x0D\x0AThis is the second line"
  - o "This is page 1\x0CThis is page 2\x0CThis is page 3"



(start of heading) (start of text)

(end of transmission)

(NP form feed, new page)

(carriage return)

(end of text)

(enquiry) (acknowledge)

Dec Hx Oct Char

0 000 NUL (null)

### **String**

- A series of ASCII character values comb
  - o "Hello! How are you today? What a lovely o
  - o "This is the first line \x0AT his is the second 110
  - o "This is the first line using Windows new ling characters\x0D\x0AThis is the second line"
  - "This is page 1\x0CThis is page 2\x0CThis is page 3"

new line)



- A series of ASCII character values comb
  - o "Hello! How are you today? What a lovely of
  - o "This is the first line\x0AThis is the second
  - o "This is the first line using Windows new line" characters\x0D\x0AThis is the second line"
  - "This is page 1\x0CThis is page 2\x0CThis is page 3"

```
Dec Hx Oct Char

0 0 000 NUL (null)
1 1 001 SOH (start of heading)
2 2 002 STX (start of text)
3 3 003 ETX (end of text)
4 4 004 EOT (end of transmission)
5 5 005 ENQ (enquiry)
6 6 006 ACK (acknowledge)
7 7 007 BEL (bell)
8 8 010 BS (backspace)
9 9 011 TAB (horizontal tab)
10 A 012 LF (NL line feed, new line)
11 B 013 VT (vertical tab)
12 C 014 FF (NP form feed, new page)
13 D 015 CR (carriage return)
```



(start of heading)

Dec Hx Oct Char

0 000 NUL (null)

- A series of ASCII character values comb
  - o "Hello! How are you today? What a lovely o
  - o "This is the first line\x0AThis is the second \u00e4
  - o "This is the first line using Windows new line" characters\x0D\x0A This is the second line"
  - "This is page 1\x0CThis is page 2\x0CThis is page 3"



(start of heading)

Dec Hx Oct Char

0 000 NUL (null)

- A series of ASCII character values comb
  - o "Hello! How are you today? What a lovely of
  - o "This is the first line\x0AThis is the second
  - o "This is the first line using Windows new ling characters\x0D\x0AThis is the second line"
  - o "This is page 1\x0C\This is page 2\x0C\This is page 3"



- A series of ASCII character values combined together
  - o "Hello! How are you today? What a lovely day to program!"
  - o "This is the first line\nThis is the second line"
  - o "This is the first line using Windows new line characters\r\nThis is the second line"
  - "This is page 1\fThis is page 2\fThis is page 3"



The End?