



Integrated
Development
Environments

What are they?

- ◉ IDE's

- ◉ A program that combines multiple programming tools into a single application
- ◉ Tools such as
 - ◉ ASCII Text Editor
 - ◉ Compiler
 - ◉ Build automation
 - ◉ GUI Tools
 - ◉ Code Debugger
 - ◉ Memory Leak Tools

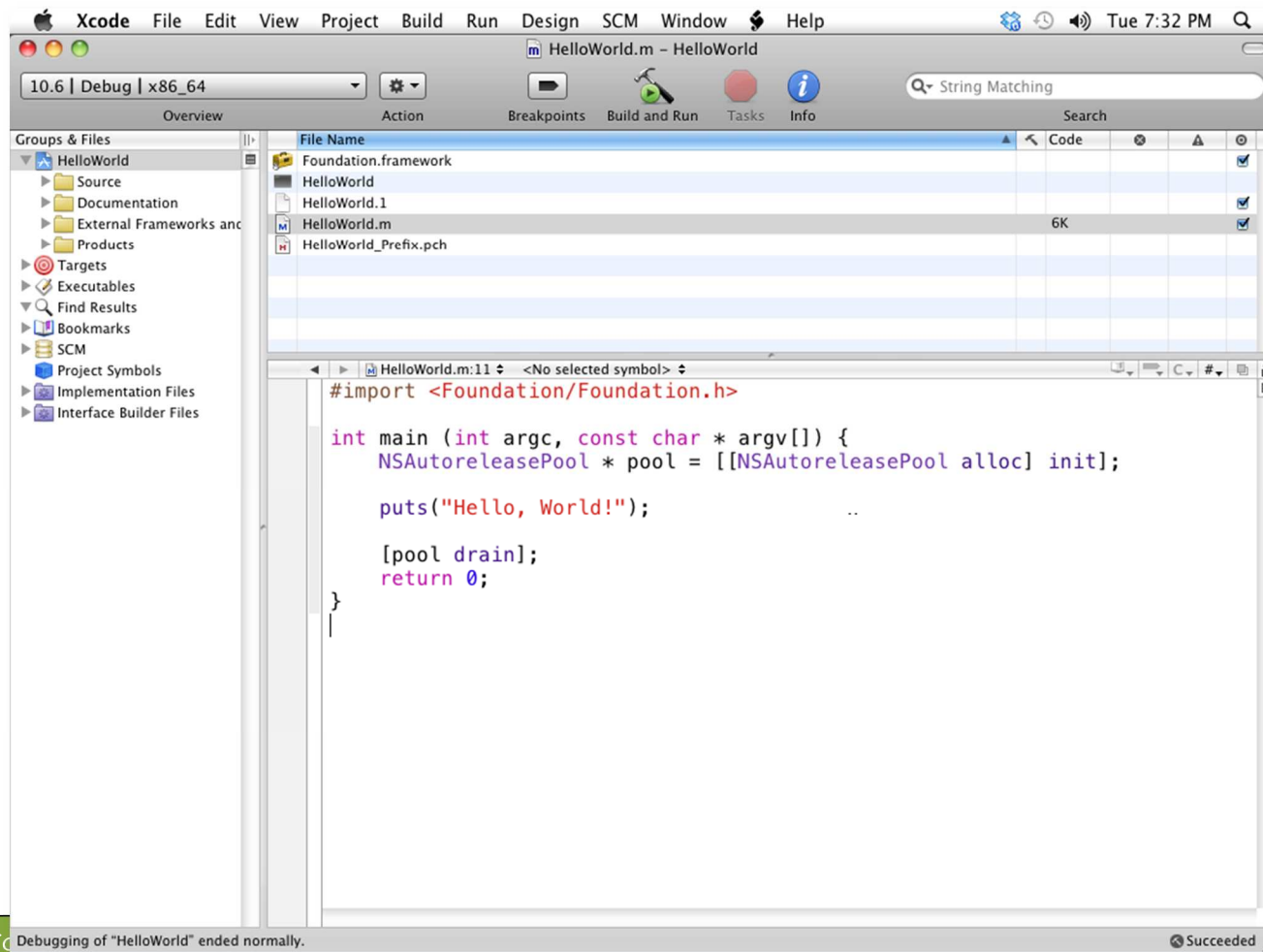
Why are they important?

- Removes (sometimes) tedious build and compilation procedures (./configure, make, make install)
- Puts everything you need in one place!
- Package source code into Projects that can be shared and moved easily
- Many IDE's will allow you to develop and publish your applications with ease

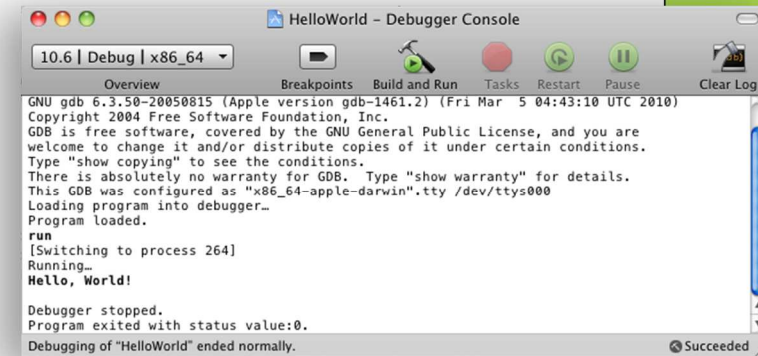
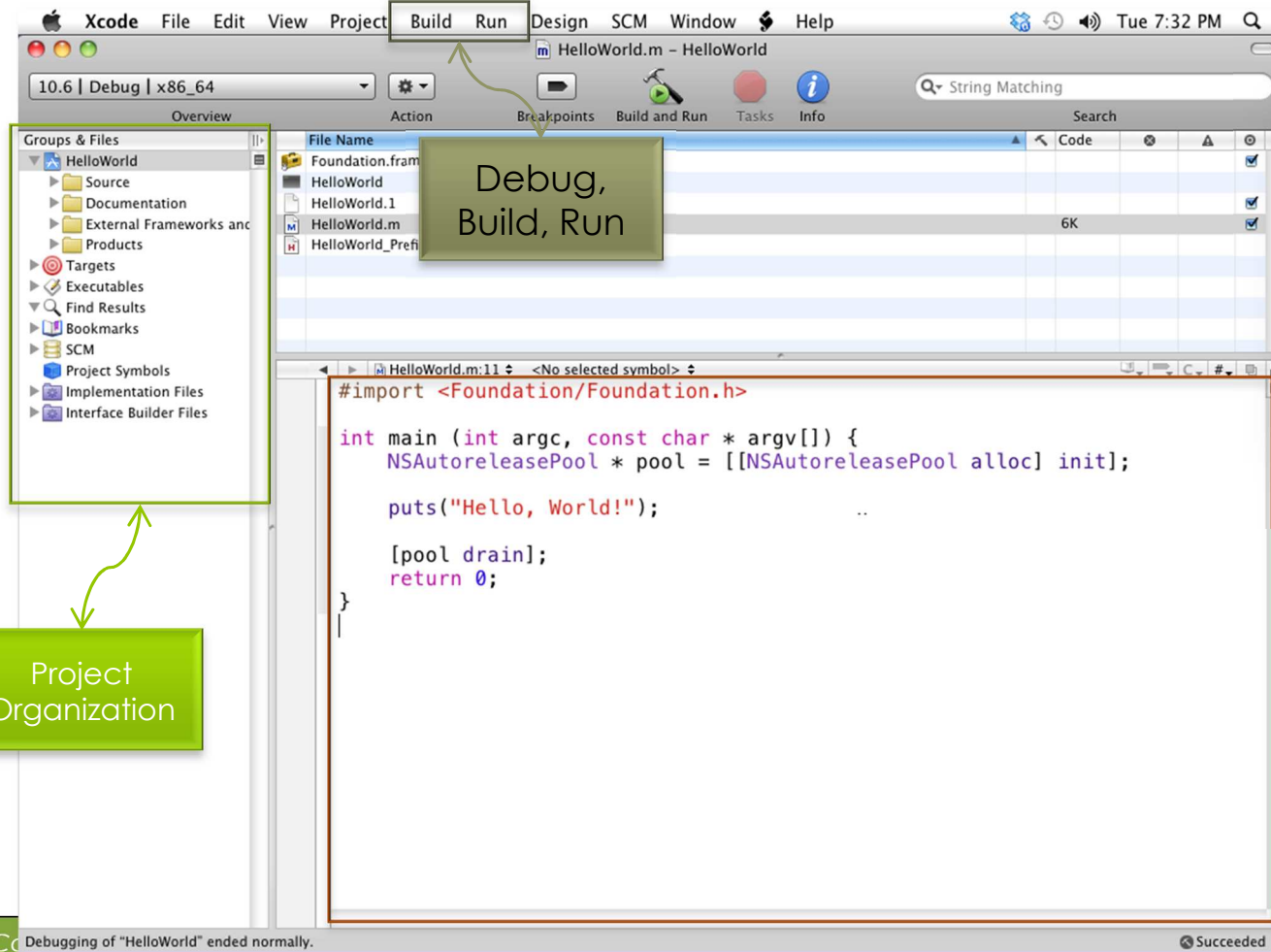
Some Common IDE's

- Windows
 - Visual Studio
 - Turbo C++
 - Dev C++
- Linux
 - KDevelop
 - Anjuta
 - Sun Studio
- Mac OS
 - Xcode
- Multiple Platforms
 - Eclipse
 - NetBeans
 - MonoDevelop

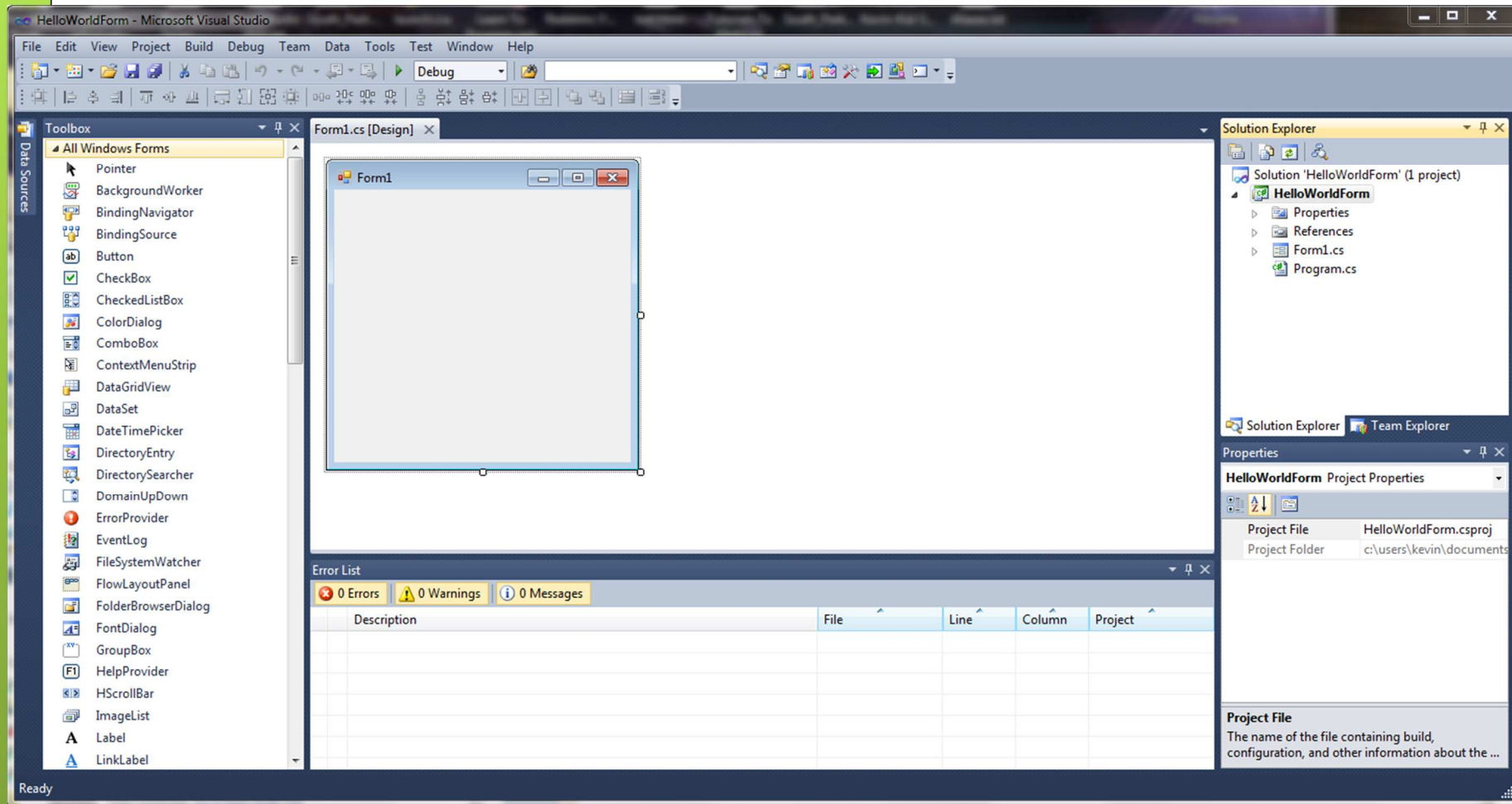
IDE Screenshot: Xcode



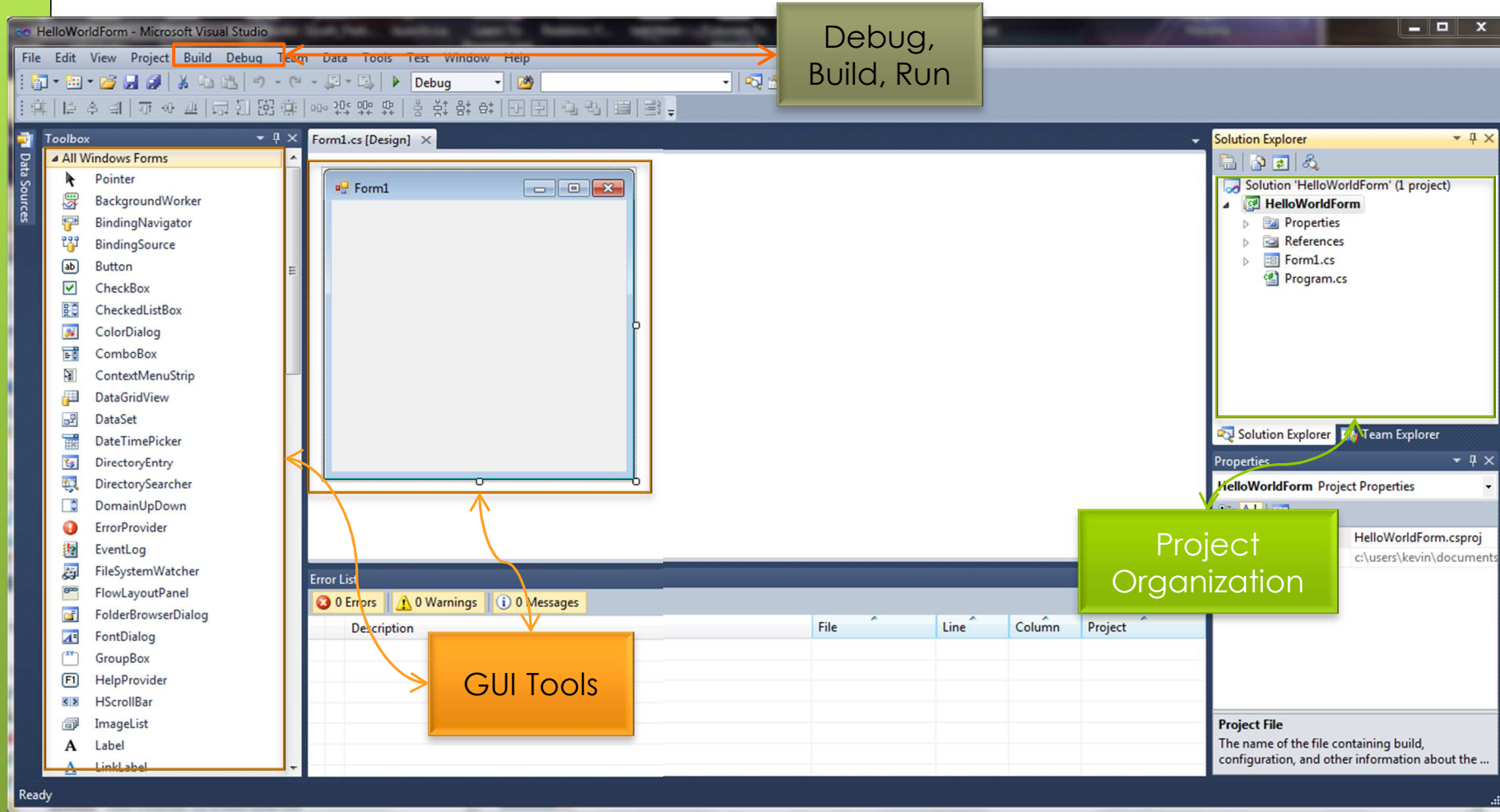
IDE Screenshot: Xcode



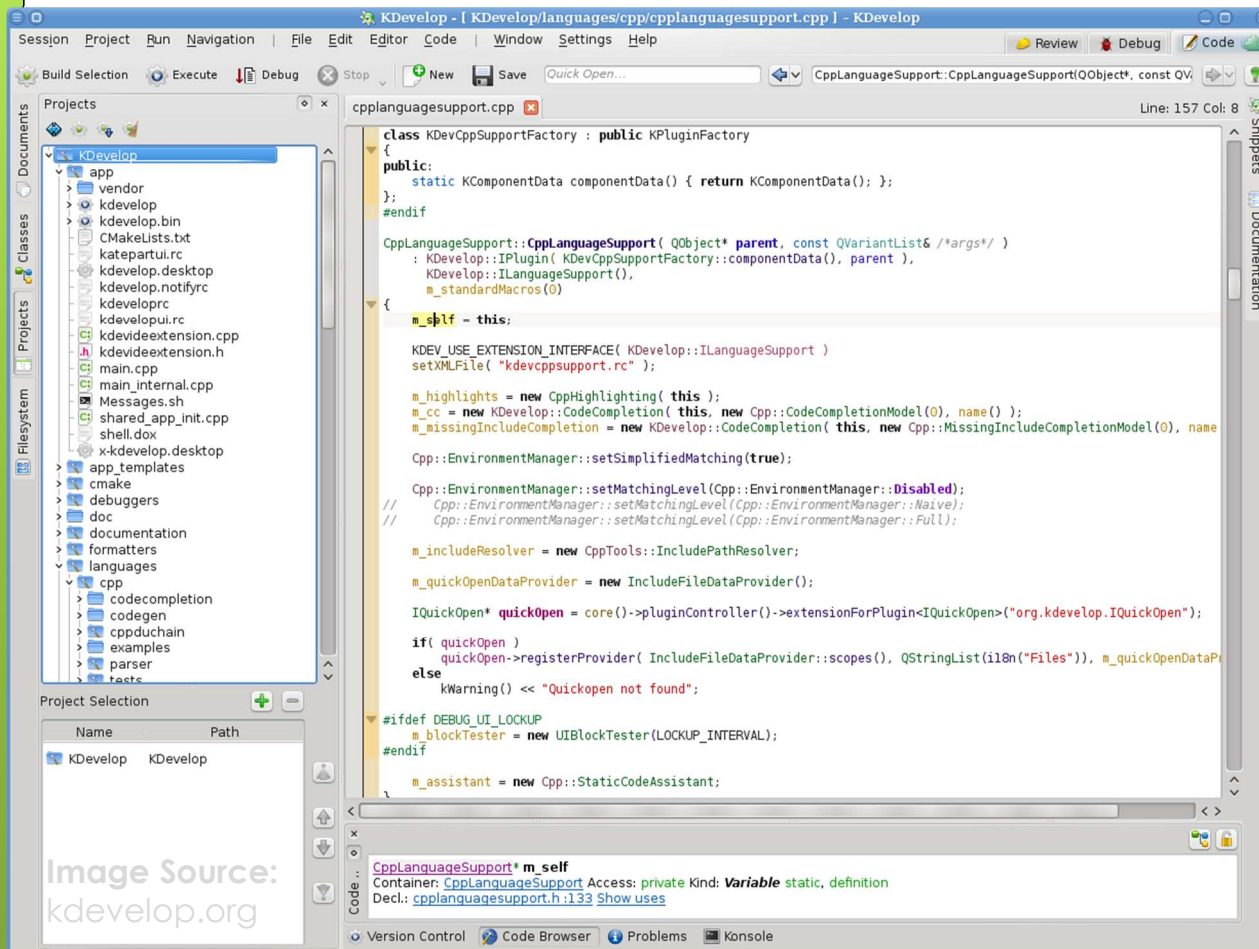
IDE Screenshot: Visual Studio



IDE Screenshot: Visual Studio

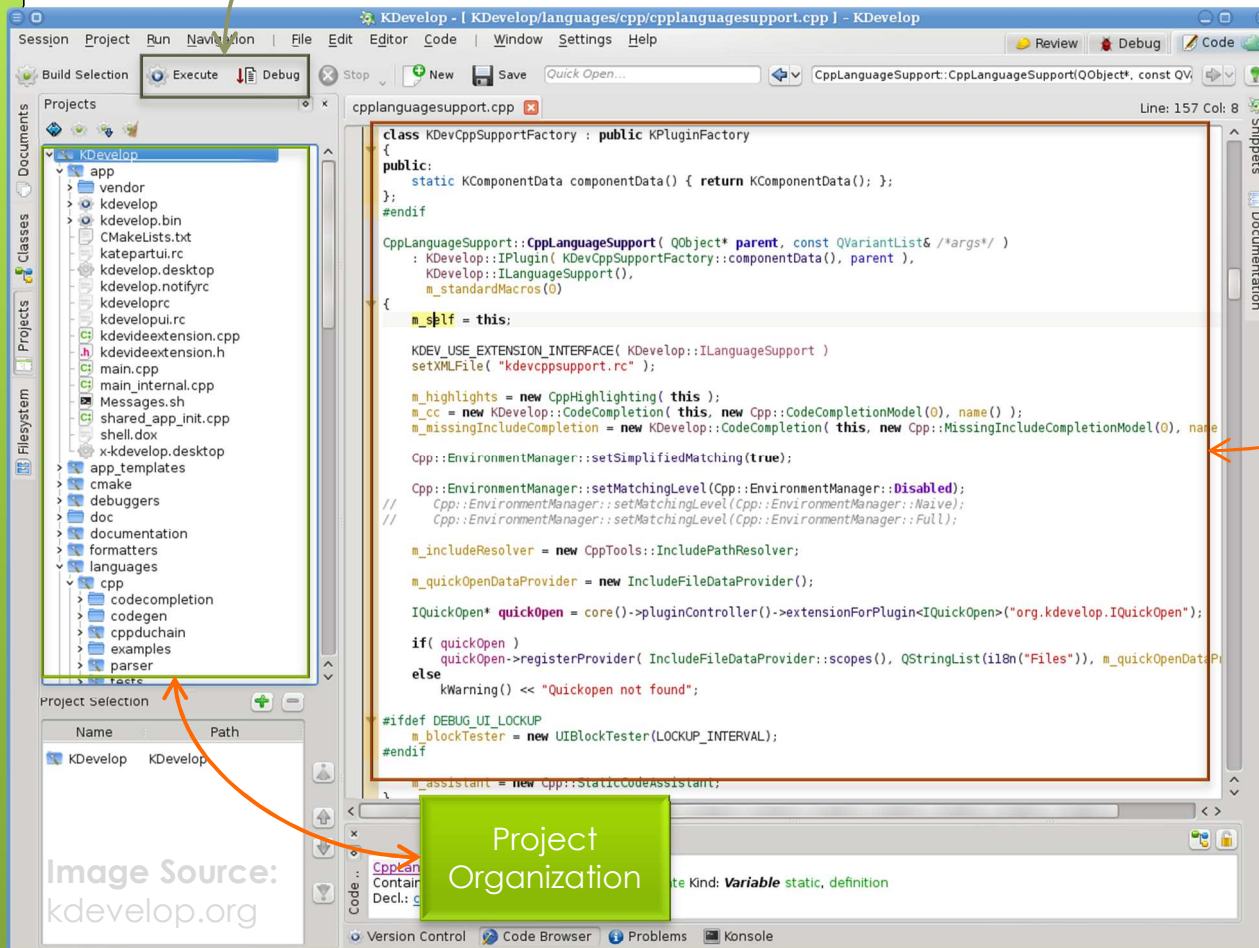


IDE Screenshot: KDevelop

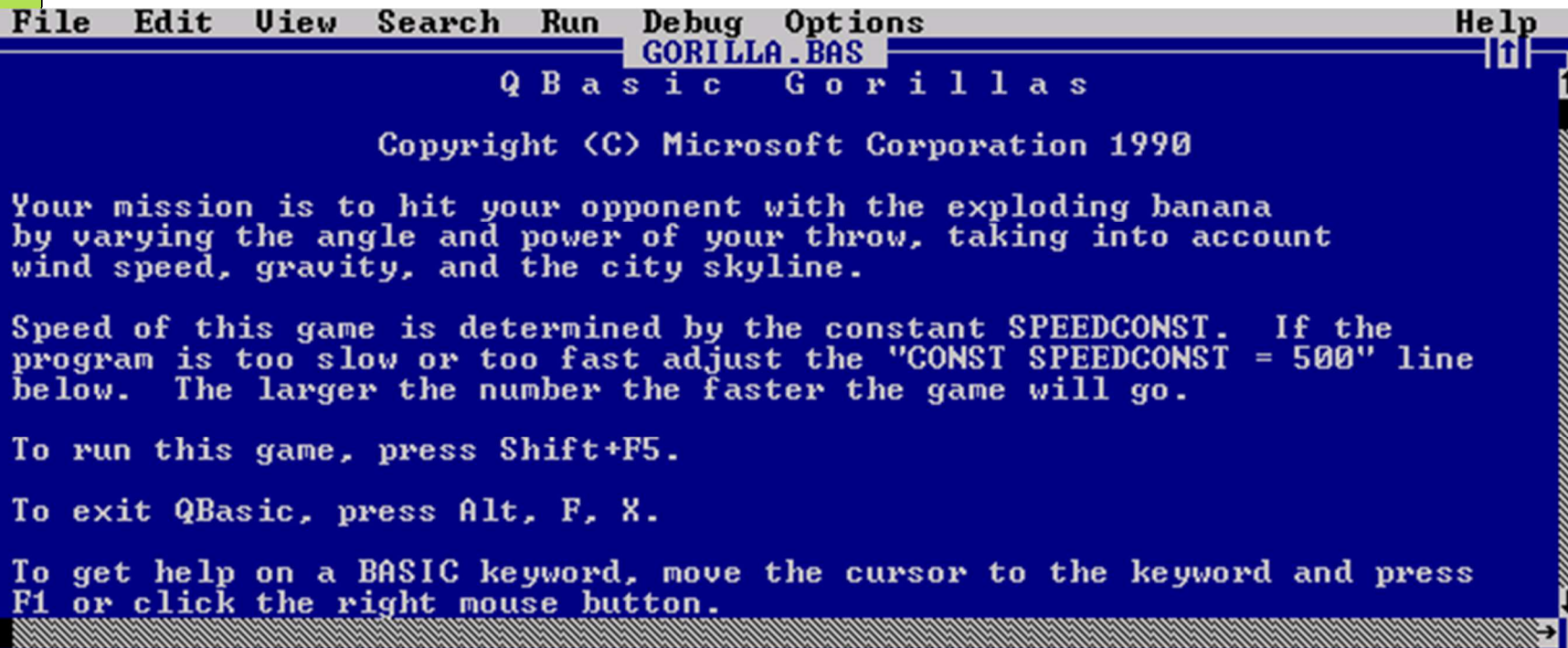


Debug,
Build, Run

IDE Screenshot: KDevelop



IDE Screenshot: QBasic



```
File Edit View Search Run Debug Options Help
GORILLA.BAS
'
'      Q B a s i c   G o r i l l a s
'
'      Copyright (C) Microsoft Corporation 1990
'
' Your mission is to hit your opponent with the exploding banana
' by varying the angle and power of your throw, taking into account
' wind speed, gravity, and the city skyline.
'
' Speed of this game is determined by the constant SPEEDCONST.  If the
' program is too slow or too fast adjust the "CONST SPEEDCONST = 500" line
' below.  The larger the number the faster the game will go.
'
' To run this game, press Shift+F5.
'
' To exit QBasic, press Alt, F, X.
'
' To get help on a BASIC keyword, move the cursor to the keyword and press
' F1 or click the right mouse button.
```

Debug,
Build, Run

Introduction to Computer Programming



IDE Screenshot: QBasic

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```

ASCII Text
Editor



The End?