Directions for installing C/C++ IDE and compilers

Mac OS X

(0) You must have Apple Developer credentials; it is free to **Register**
(unless you want to upload your apps to distribute, then you have to pay $100).

Go to: https://developer.apple.com/register

(1) **Install XCode**

(a) Go to: https://developer.apple.com/downloads
(Make sure all categories are checked on the lefthand side)
-Search "Xcode" and find the appropriate version of Xcode that is compatible with your current version of OS X. For example, Xcode 5.0.2 requires OS X 10.8.4.
Note: To check what version of the operating system you are running, go to the Apple symbol in the top left of your screen and choose "About This Mac".

Version 10.5: "Leopard"	Version 10.8: "Mountain Lion"
Version 10.6: "Snow Leopard"	Version 10.9: "Mavericks"
Version 10.7: "Lion"	

(b) Download the *.dmg* file of the appropriate version of Xcode

(c) When it finishes, open the file and double click "*Xcode.mpkg"* to start the installer. Proceed through the steps until installation is complete.

(2) **Install Command-Line Tools**

(a) You need to get to the Mac Dev Center
https://developer.apple.com/devcenter/mac/index.action

(b) Then I found this section:

Additional Downloads
Find additional pre–release software, previous versions of Mac OS X, and hardware driver downloads in the Apple Developer Downloads site.

Developer Downloads

View all downloads

Command Line Tools (Mountain Lion).mpkg

I scrolled down until I found the Command Line Tools for Mountain Lion since I'm running 10.8 (Make sure you get the correct version of Command Line Tools for your version of the OS)

► Command Line Tools (OS X Mountain Lion) for Xcode - October 2   Oct 22, 2013

(c) Install

Directions for installing C/C++ IDE and compilers

Windows 7

(0) Install **Microsoft Visual C++ 2010 Express**

    a) Go to: www.visualstudio.com/downloads/

    b) Scroll down to the section labeled "**Visual Studio 2010 Express**"
       - Click the option: "Visual **C++** 2010 Express"
       - Click: "Install Now"

(1) Obtain a Registration Key (also Free)

    a) After installation and rebooting, open Visual C++ 2010 Express

    b) On the top menu bar, select: "Help" > "Register Product"

    c) Choose: "Obtain a registration key online"

(2) Create a Microsoft Account (FREE)

    a) Choose "Sign up now" to make a free account

    b) Sign in using the account on this page and fill out the questions to obtain a free registration key.

(3) Register Visual C++ 2010 Express

    a) Enter your key and click "Register Now"

Directions for installing C/C++ IDE and compilers

If you *cannot* get XCode (MacOS) or Visual Studio to install, you can try CodeBlocks. If you install XCode or Visual Studio, you do not want to also install CodeBlocks. XCode and Visual Studio are superior and we are hoping you can use one of these "real" IDEs.

CodeBlocks

MAC OS X...

(0) **Install Xcode and Command-line Tools** (see page 1)

(1) CodeBlocks
   http://www.codeblocks.org/downloads/binaries

   (a) We've had the best success with the largest .zip file:
      CodeBlocks-12.11-SP1-mac.zip   18.5M

   (b) Unzip the file. Drag the CodeBlocks icon into your Applications folder.   CodeBlocks

   (c) When you first start CodeBlocks it will attempt to detect a compiler. It should show you that it has detected the GCC compiler. Set this as your default compiler.

   (d) See the section below **My first CodeBlocks program** to get "hello world" tested.

On Windows...
Follow these directions...
http://www.cprogramming.com/code_blocks/

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