

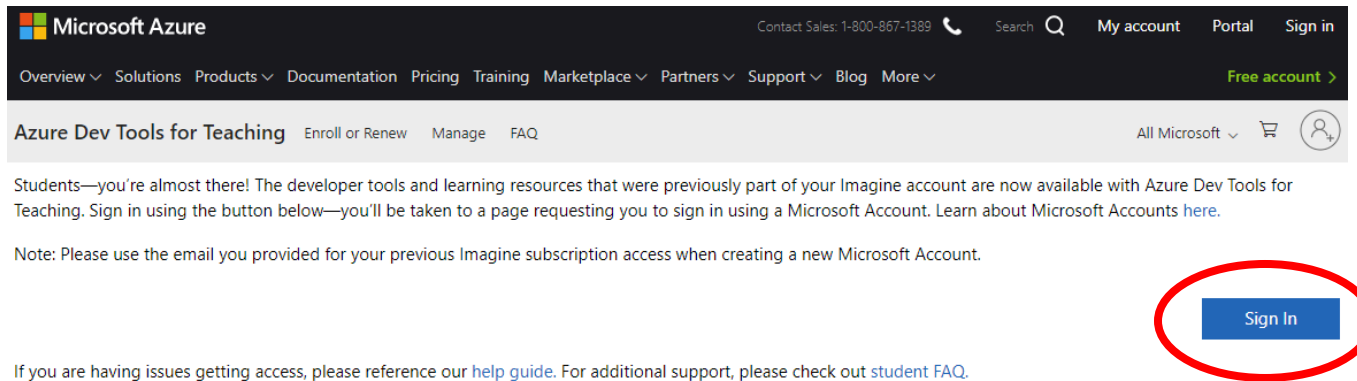
# Download and Install Visual Studio 2017

Math & Computer Science Department – Webster University

Students currently enrolled in one of the Math & Computer Science department’s computing courses in St. Louis may download a variety of free Microsoft software via the University’s Azure online store.

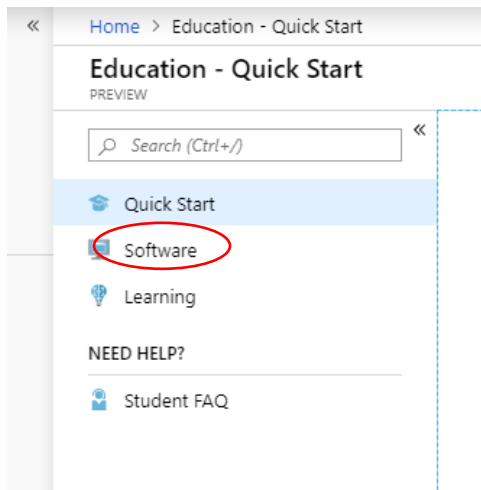
1. Visit the Microsoft Azure University portal  
<https://aka.ms/devtoolsforteaching>

You will have to log in using your connections ID and password



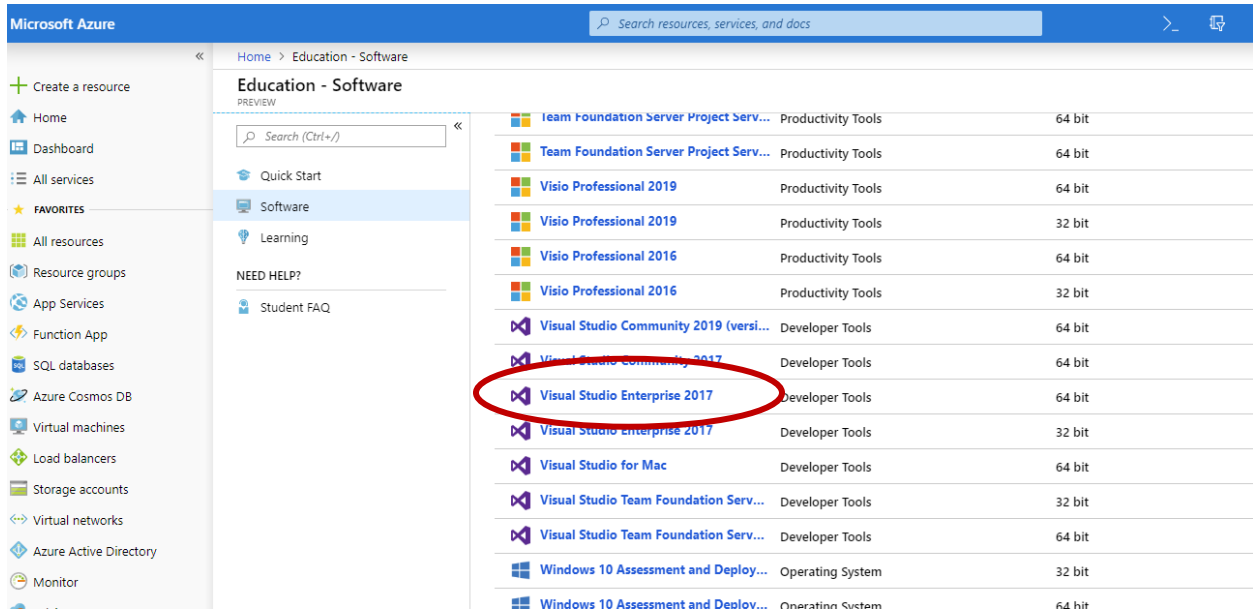
The screenshot shows the Microsoft Azure Dev Tools for Teaching portal. At the top, there is a navigation bar with the Microsoft Azure logo, contact information (1-800-867-1389), a search bar, and links for 'My account', 'Portal', and 'Sign in'. Below this is a secondary navigation bar with links for 'Overview', 'Solutions', 'Products', 'Documentation', 'Pricing', 'Training', 'Marketplace', 'Partners', 'Support', 'Blog', and 'More'. The main content area is titled 'Azure Dev Tools for Teaching' and includes links for 'Enroll or Renew', 'Manage', and 'FAQ'. A message states: 'Students—you're almost there! The developer tools and learning resources that were previously part of your Imagine account are now available with Azure Dev Tools for Teaching. Sign in using the button below—you'll be taken to a page requesting you to sign in using a Microsoft Account. Learn about Microsoft Accounts [here](#).' A note below says: 'Note: Please use the email you provided for your previous Imagine subscription access when creating a new Microsoft Account.' A blue 'Sign In' button is circled in red. At the bottom, there is a link to a 'help guide' and a 'student FAQ'.

2. Click on “Software”:

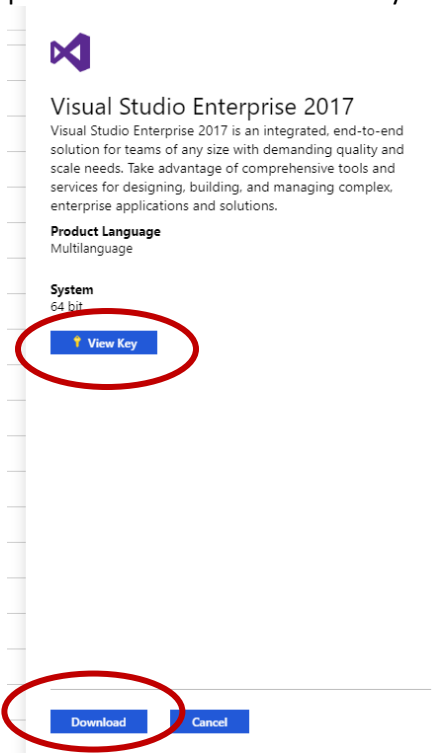


The screenshot shows the 'Education - Quick Start' page. The breadcrumb trail is 'Home > Education - Quick Start'. The page title is 'Education - Quick Start' with a 'PREVIEW' label. There is a search bar with the text 'Search (Ctrl+ /)'. The left sidebar contains a list of links: 'Quick Start', 'Software' (circled in red), 'Learning', and 'NEED HELP?'. Below the sidebar, there is a link for 'Student FAQ'.

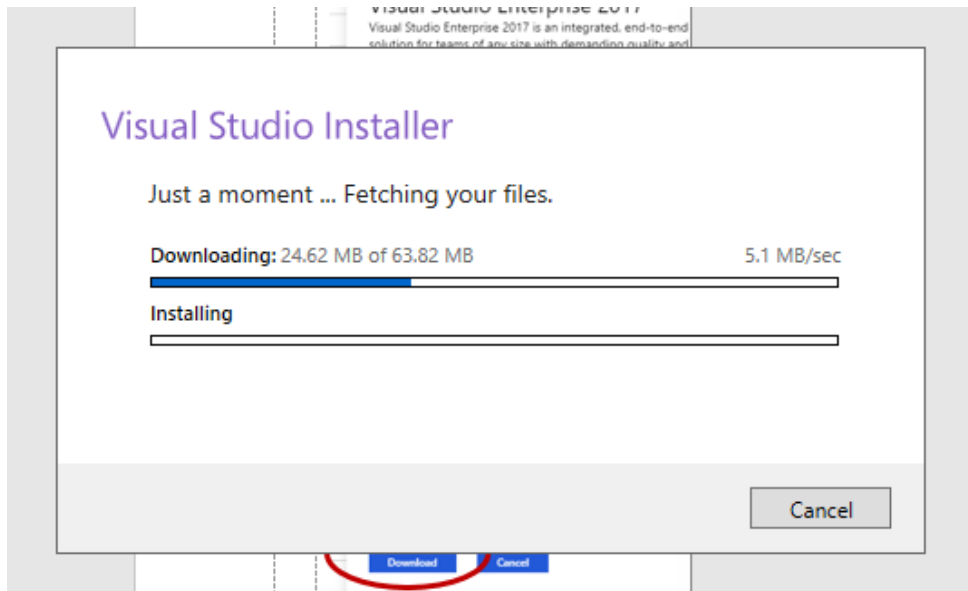
3. Scroll all the way to the bottom and find “ Visual Studio Enterprise 2017”, click on the link



4. First click on “View Key” and keep the key in a safe place, and then click on “download”. The downloading process should start immediately.



5. Click on the file downloaded “vs\_enterprise\_\_...exe” file and installation process should start immediately. The installation process will take a few minutes, be sure to have stable internet connections and a reliable power source.

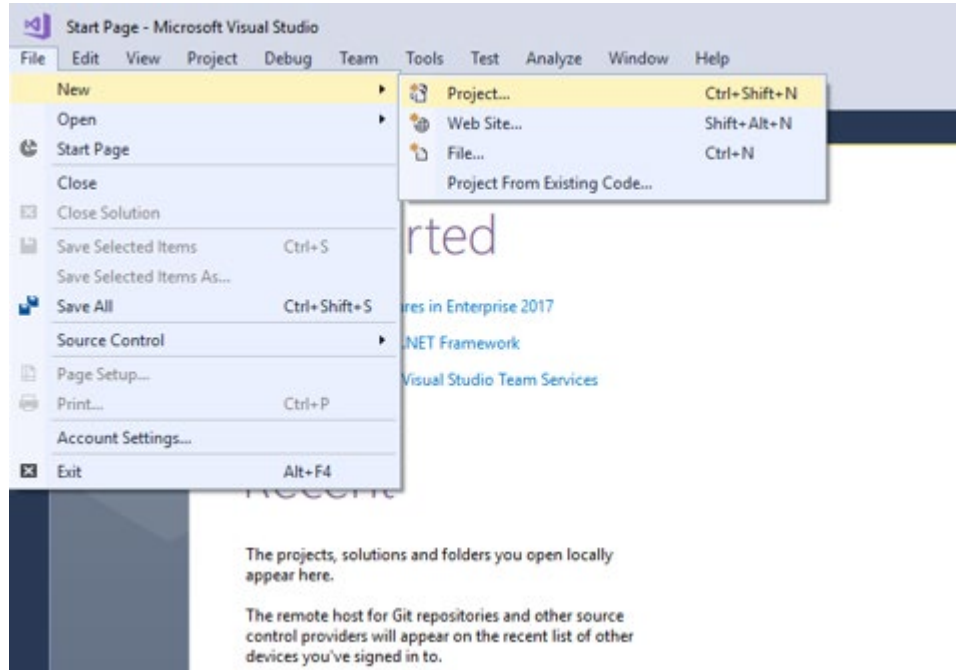


6. At the end of this process, you may be asked to restart your computer. Now proceed to the next page for building your first project on Visual Studio 2017.

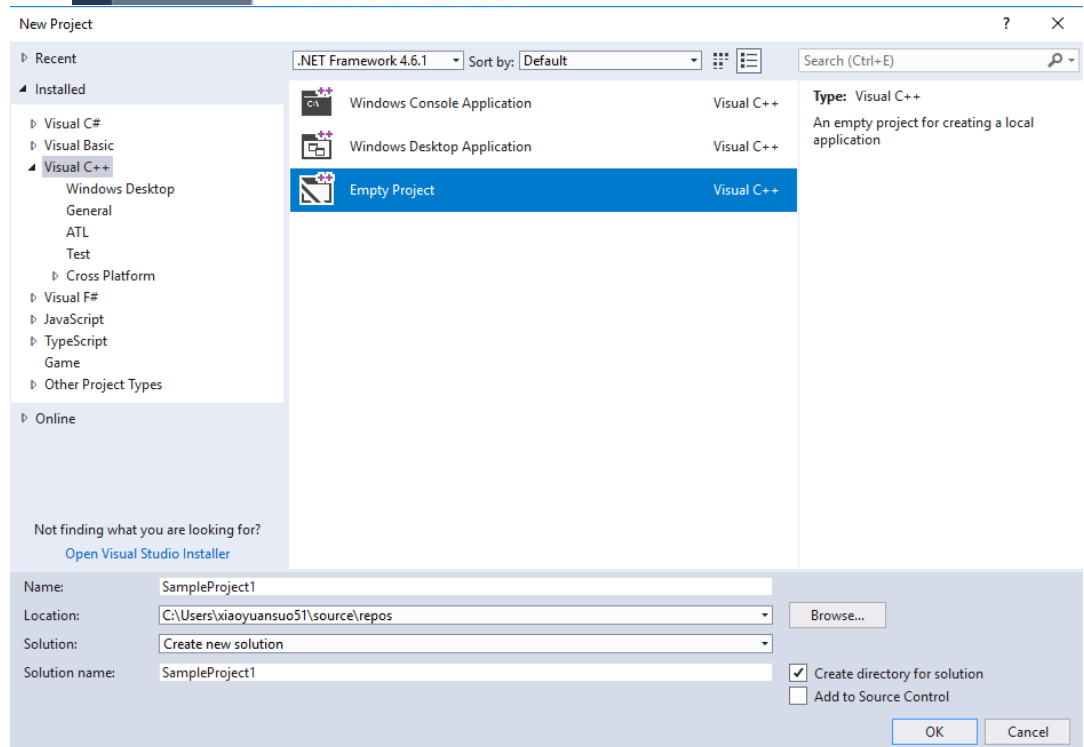
## Getting Started with Visual Studio 2017

In your start menu, find the installed Visual Studio 2017

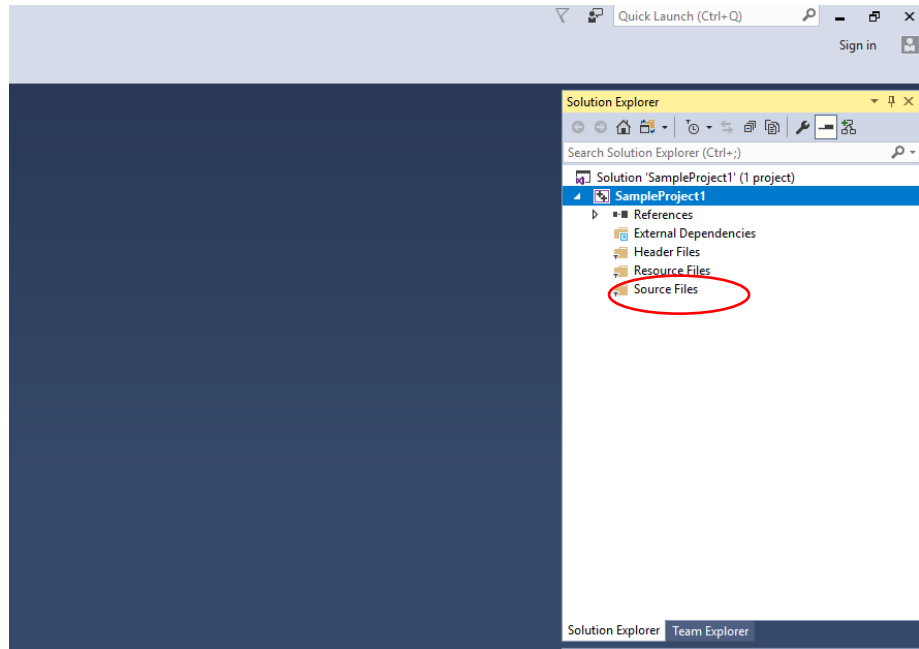
1. Choose  
File→New→Project



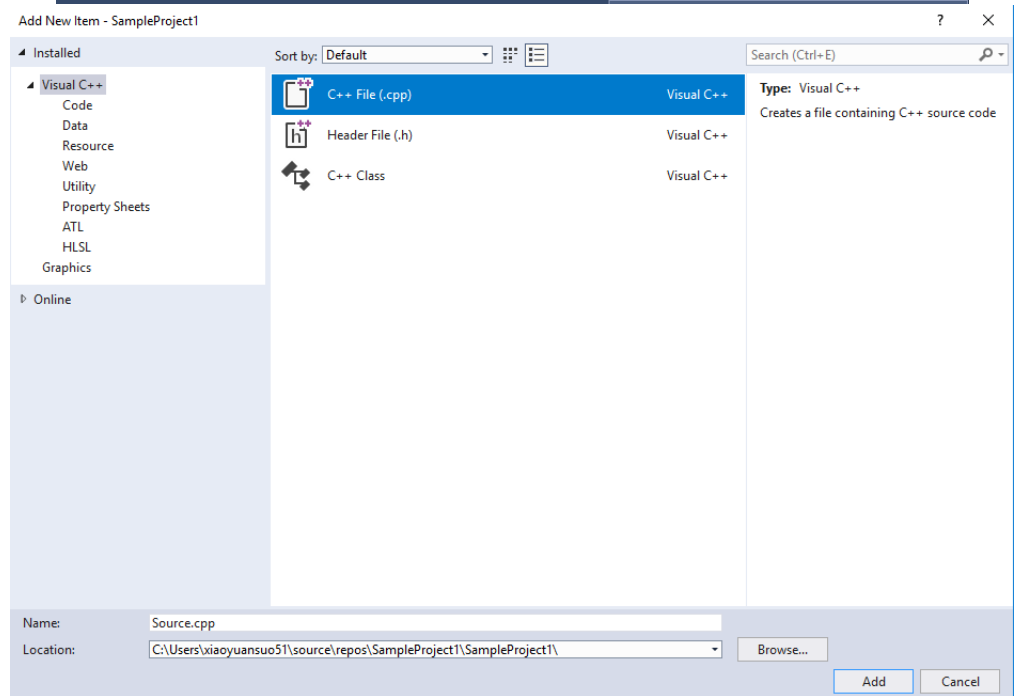
2. Choose "Visual C++" →  
Empty Project → Name  
the project → Click on  
"OK"



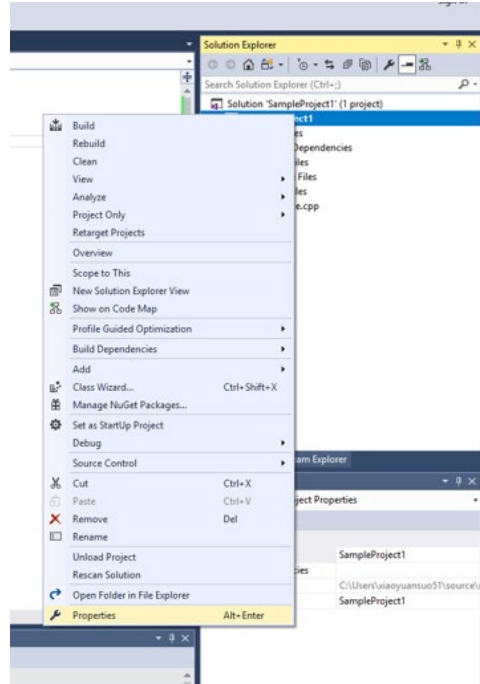
3. On the right hand side, right click on “Source Files” → Click on “Add→and then “New Item”. If you already have an existing program, choose “Existing Item” instead.



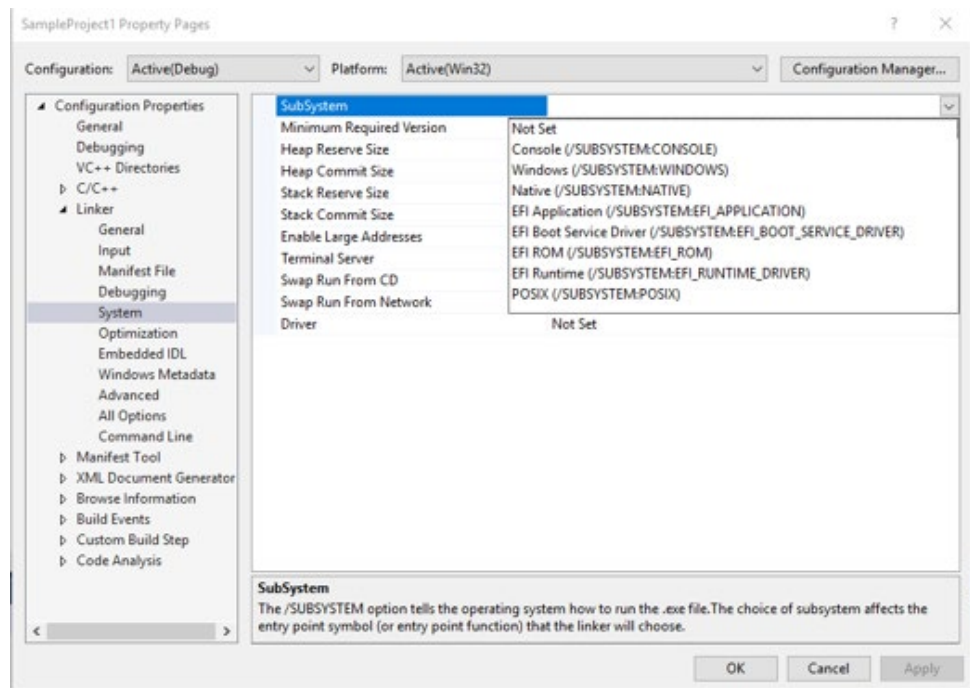
4. Choose “C++ File” and name the file



- On the right hand side, right Click on your project title, and then select "Properties"



- Choose Linker → System  
Click on the dropdown menu next to "SubSystem" and then choose "Console (/SubSystem:console)". Click on "Apply", and then "OK"



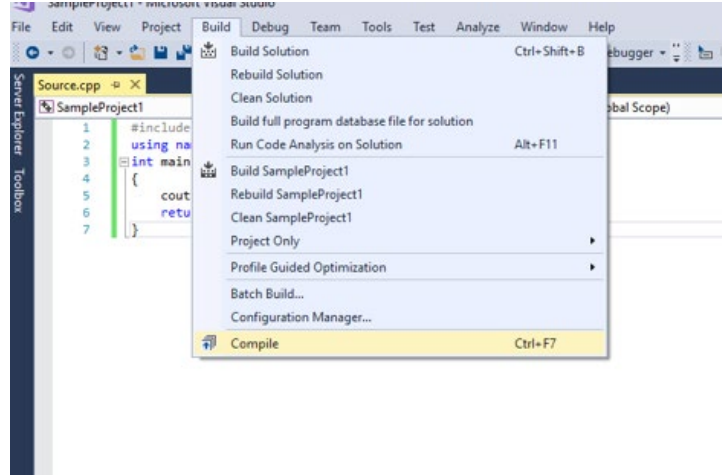
- Start Programming!

```

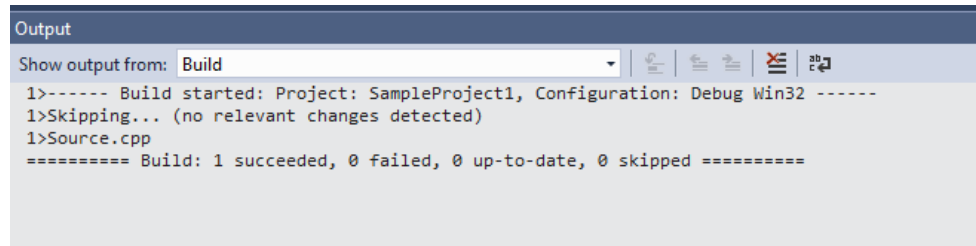
Source.cpp  x
SampleProject1
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      cout << "Hello World!" << endl;
6      return 0;
7  }

```

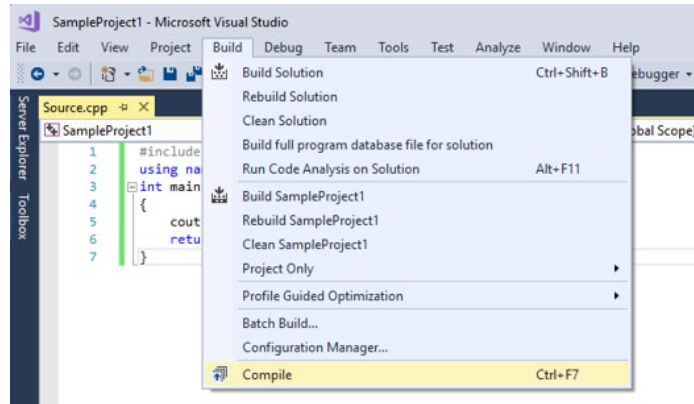
8. Click on “Build”, and then “Compile”



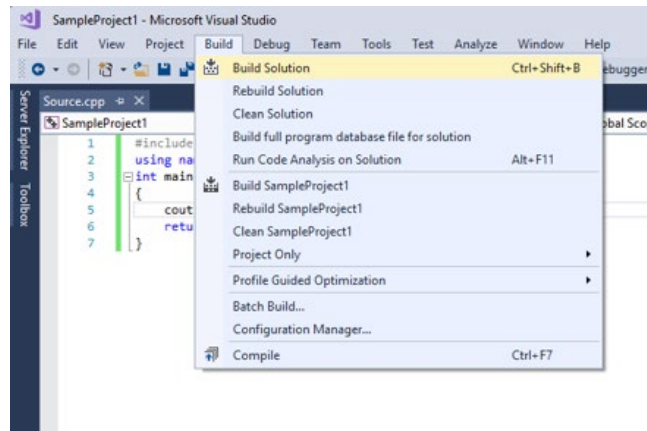
9. All potential Success/Fail messages will be shown in the output box on the bottom of the screen



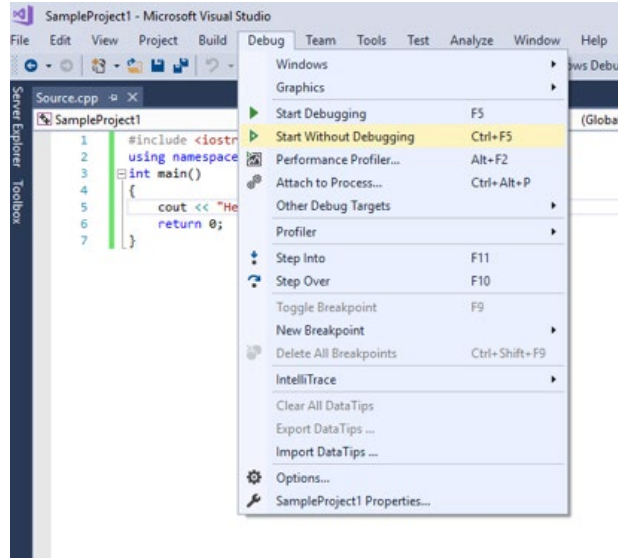
- 10.



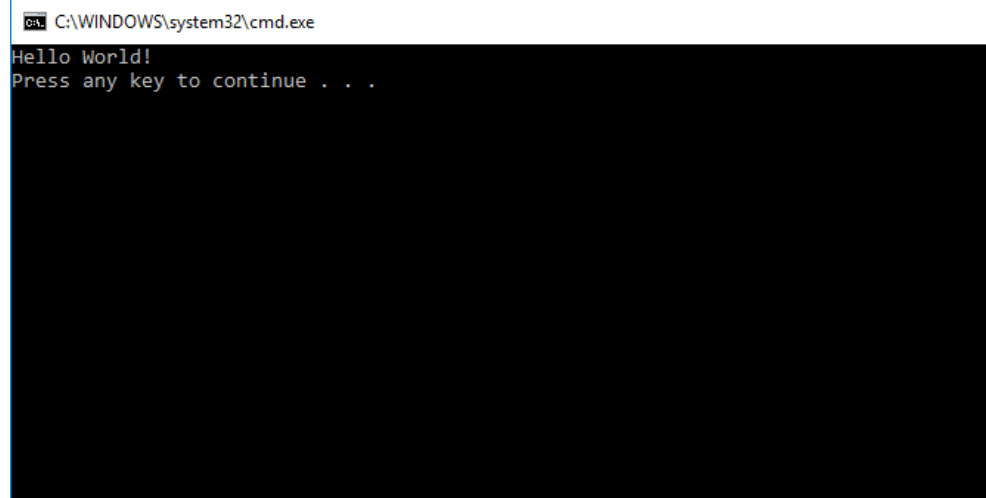
11. Click on “Build”→“Build Solution”



12. Now click on “Debug” and then “Start without debugging”



13. Console screen will show your final output



14. Be sure to save your programs by the end. To do so, click on “File”→”Save your\_program.cpp” As...

