

How to Use Microsoft Visual Studio

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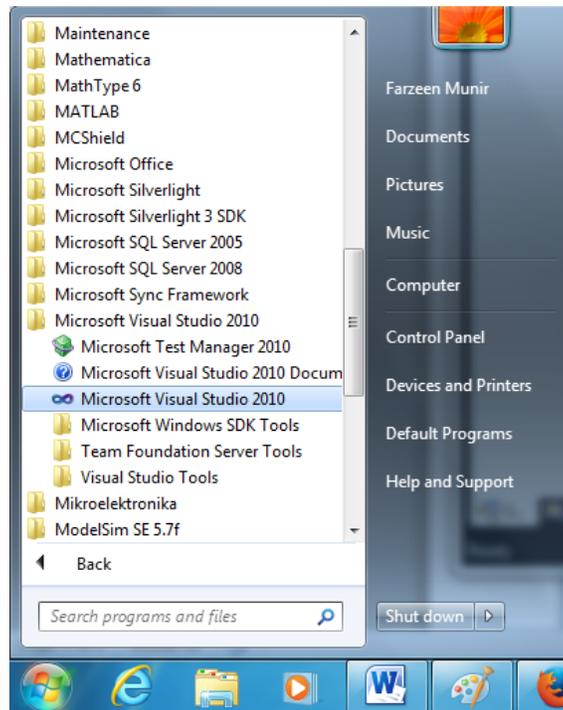
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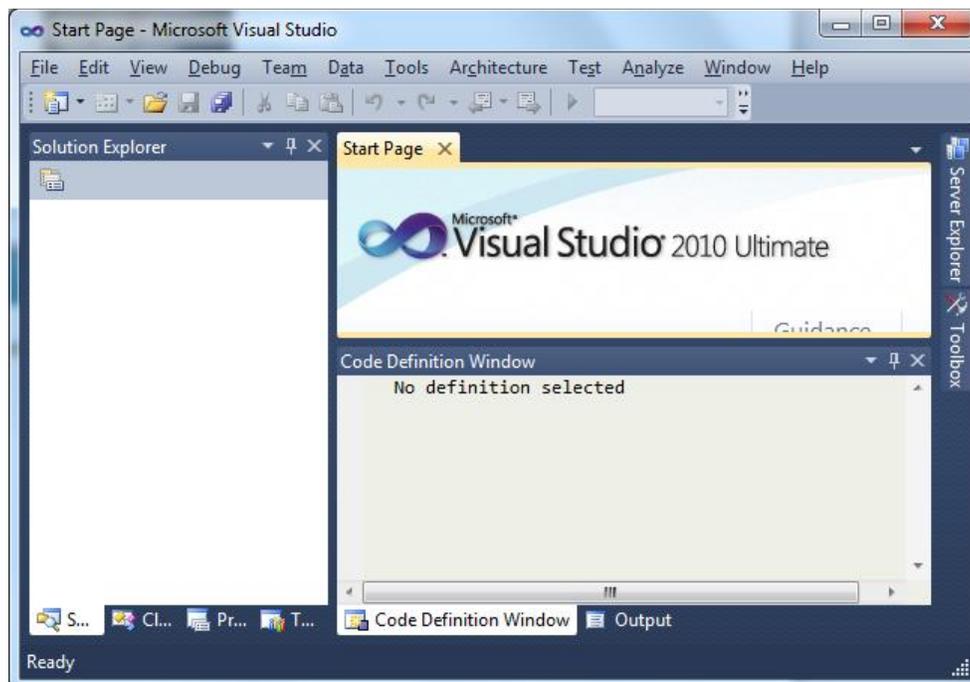
The University of Lahore.

Step 1: Open Microsoft Visual Studio

Click Start-> All programs ->Microsoft Visual Studio 2010.

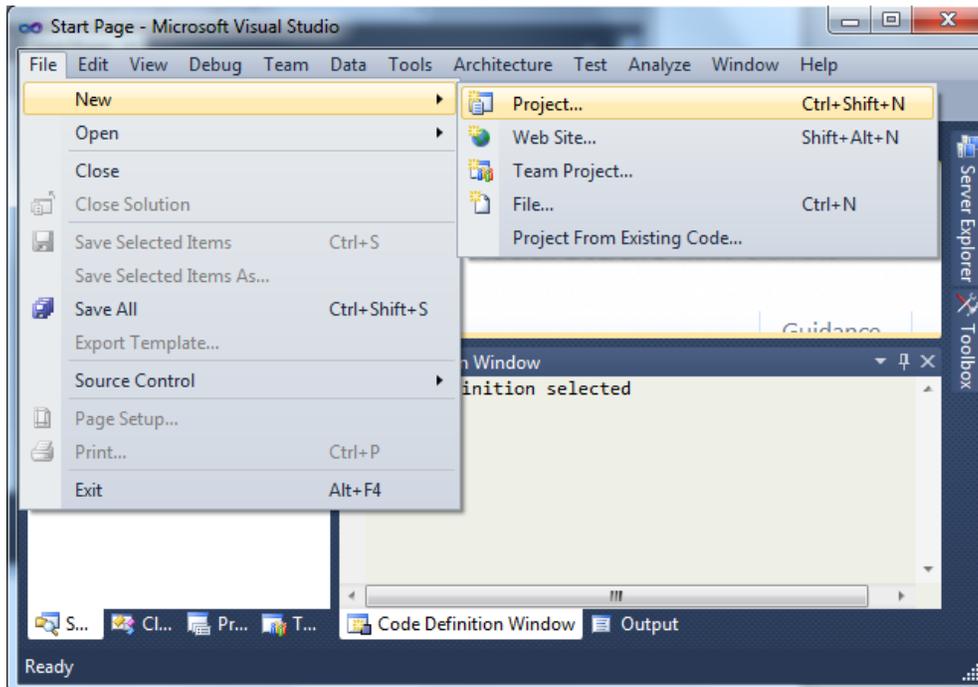


The following window will appear on the screen.

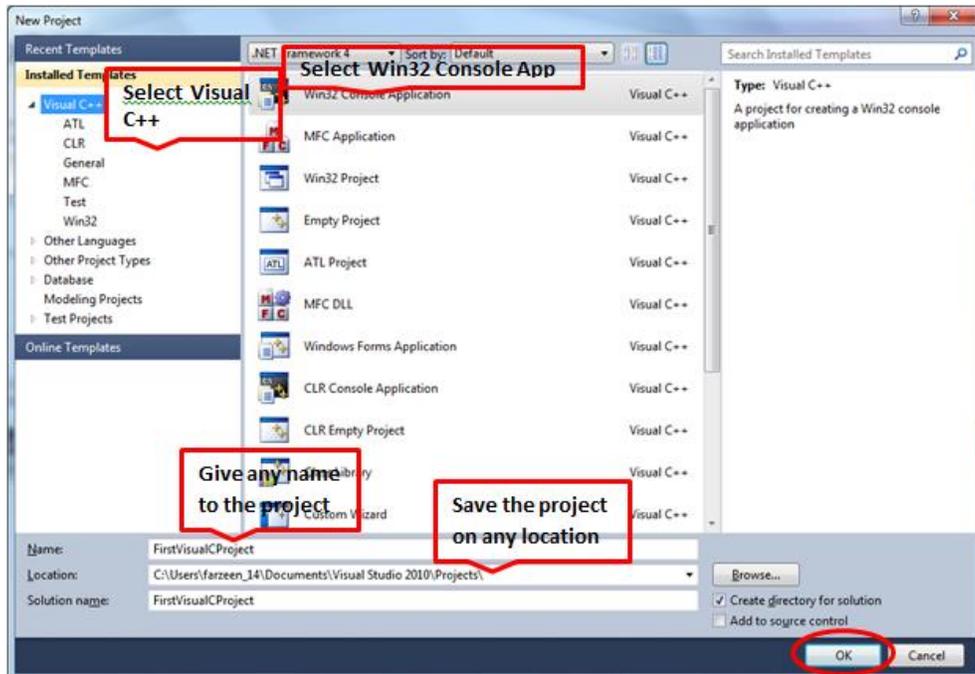


Step 2: Create Win32 Console Application

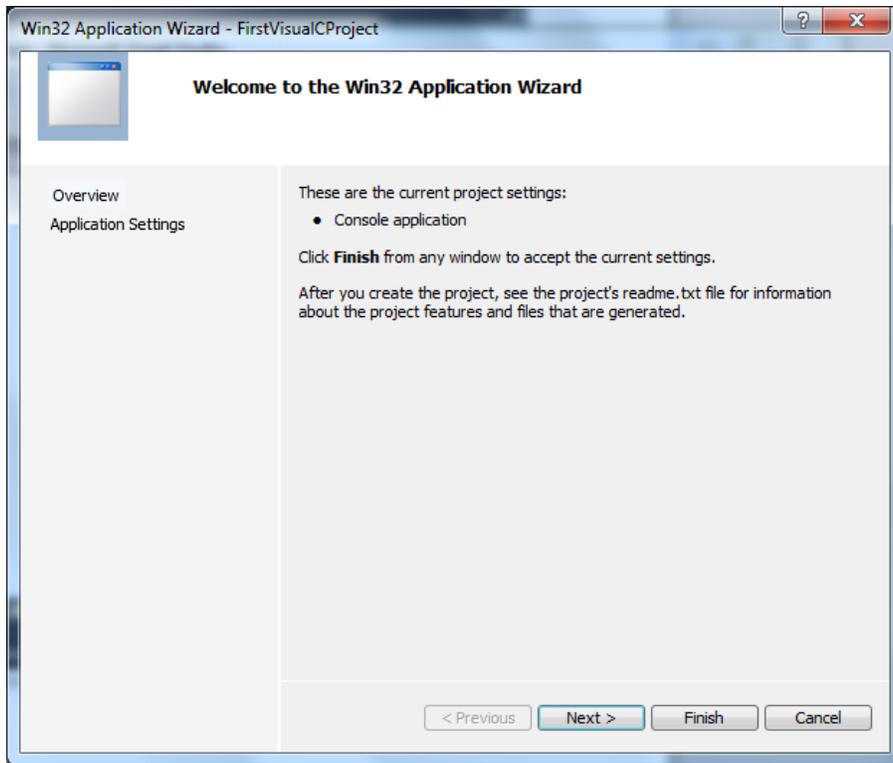
On the **File** menu, select **New-> Project**.



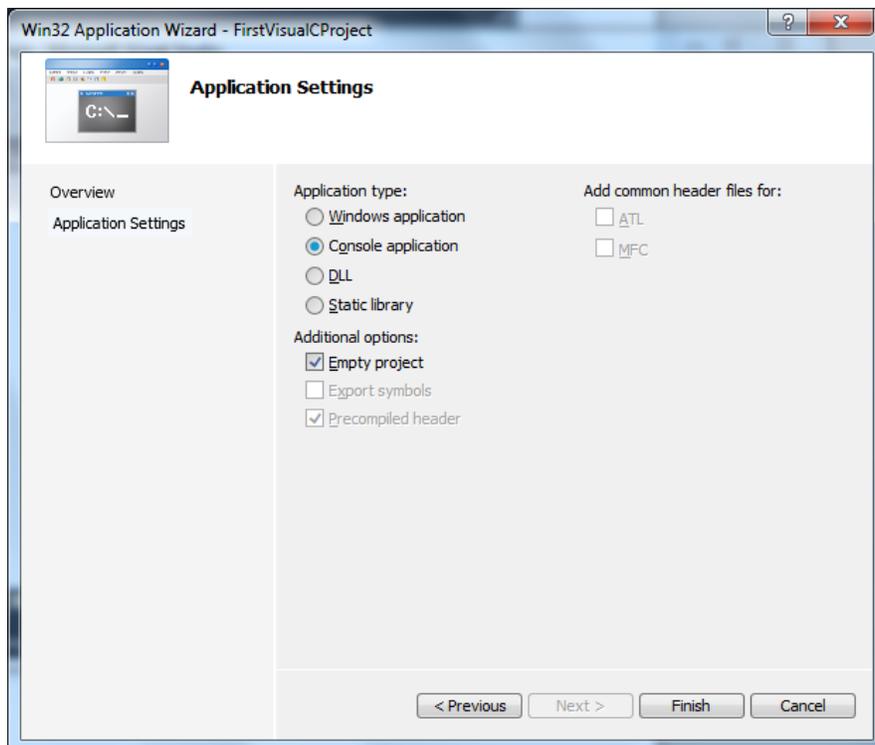
The following window will appear on the screen. First, on the left hand side, select **Visual C++**. Then in the middle of the screen select **Win32 Console Application**. Give any name to the project in the **Name** tab. In the **Location** tab, default location where the project will be stored in the computer is shown. You may change it if needed.



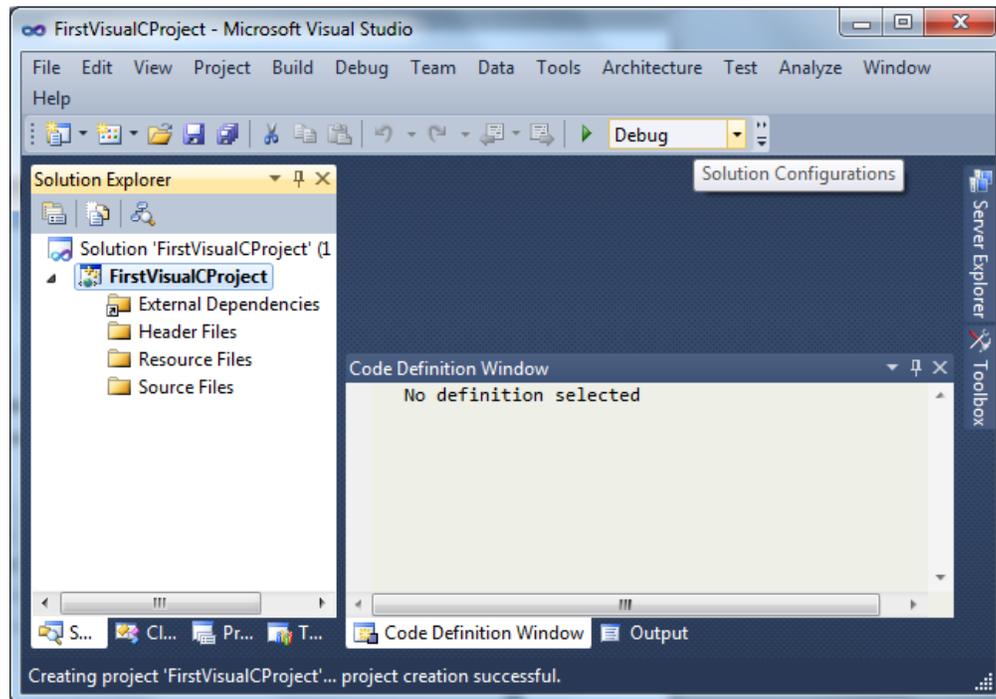
Press Ok. The following window will pop up.



Select the next button in the lower right hand corner of this window. The following window will appear with many options.

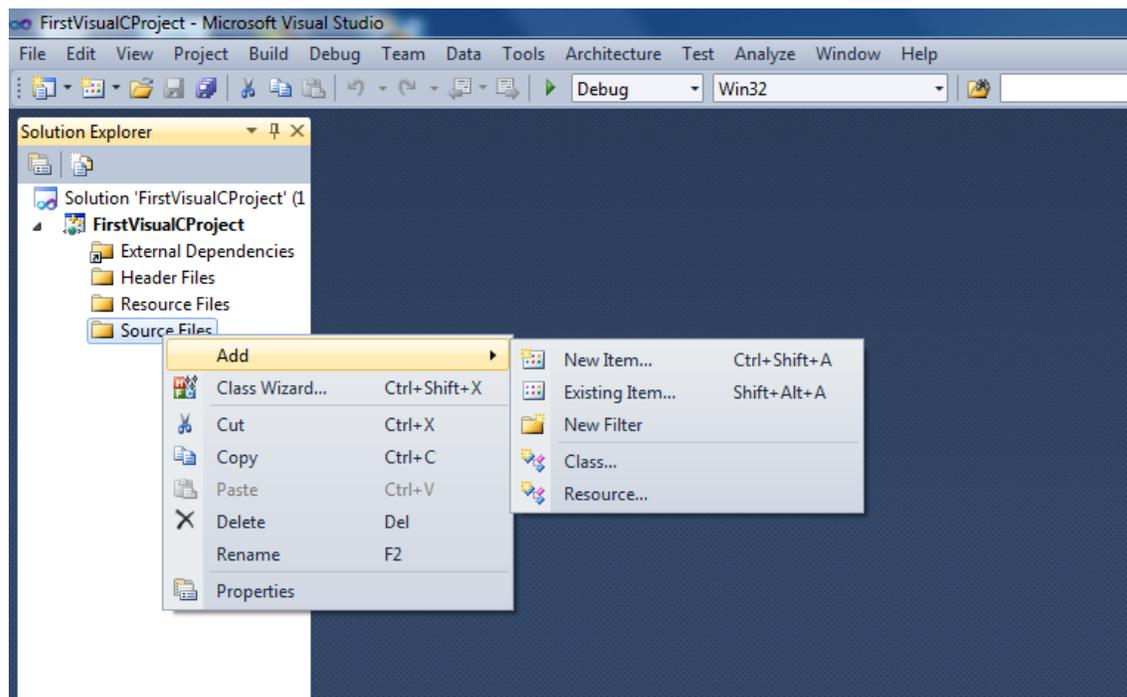


Select the option that reads, Empty Project, under the additional options section. After clicking on that box, click the finish button in the lower right hand corner of the window. This should bring you to the following project page.

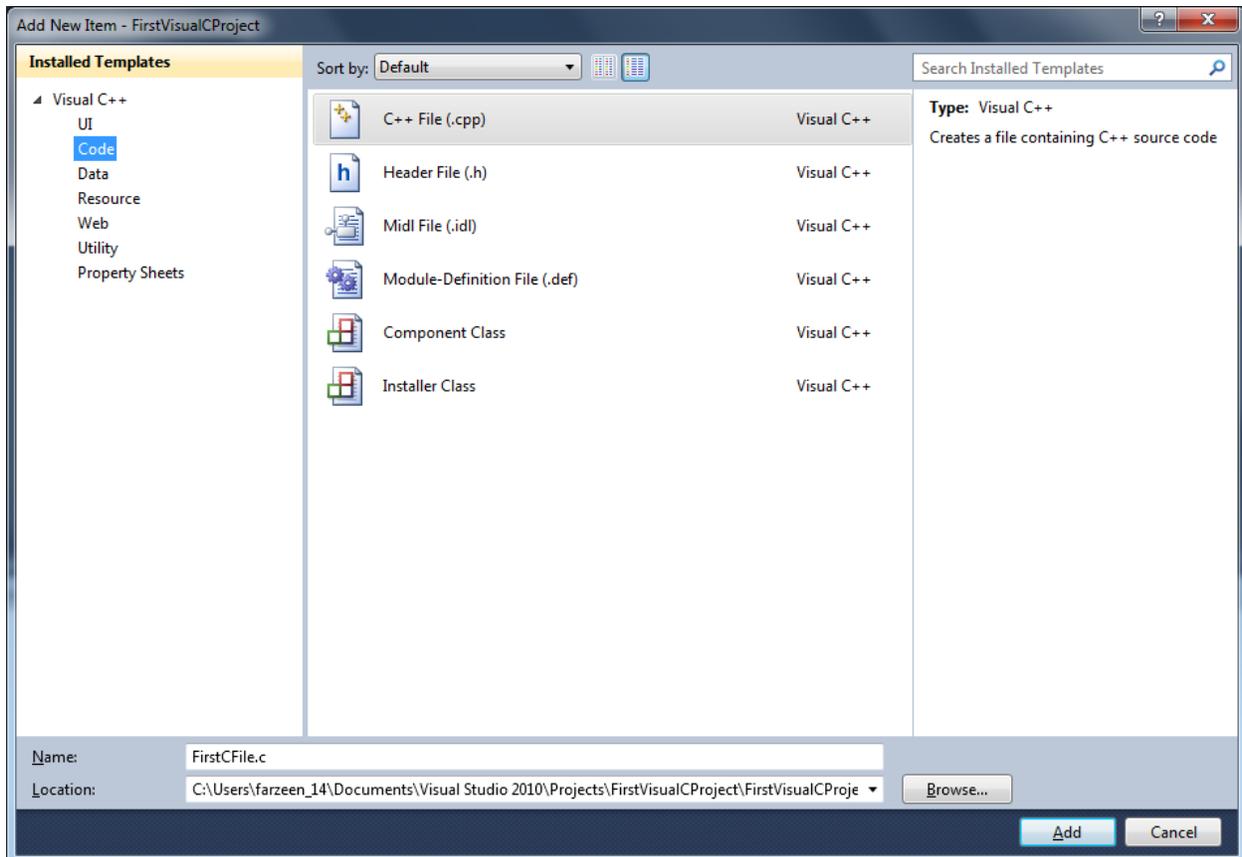


Step 3: Create a .c file in the project

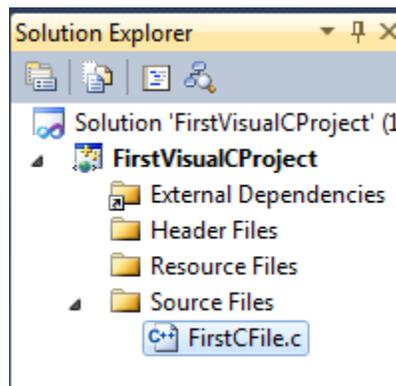
On the **Source Files** menu, press **Add->New item**.



The following window will appear on the screen. Select **Visual C++ -> Code** option from the left menu, and C++ File (.cpp) option at the top of the window. Name the file in the **Name** tab. By default, the file has .cpp extension, change it to .c. Press **Add** in the end to create file.



After you have pressed the Add button in the lower right hand corner of the window. This will take you back to the project screen and add the .c file to your project.



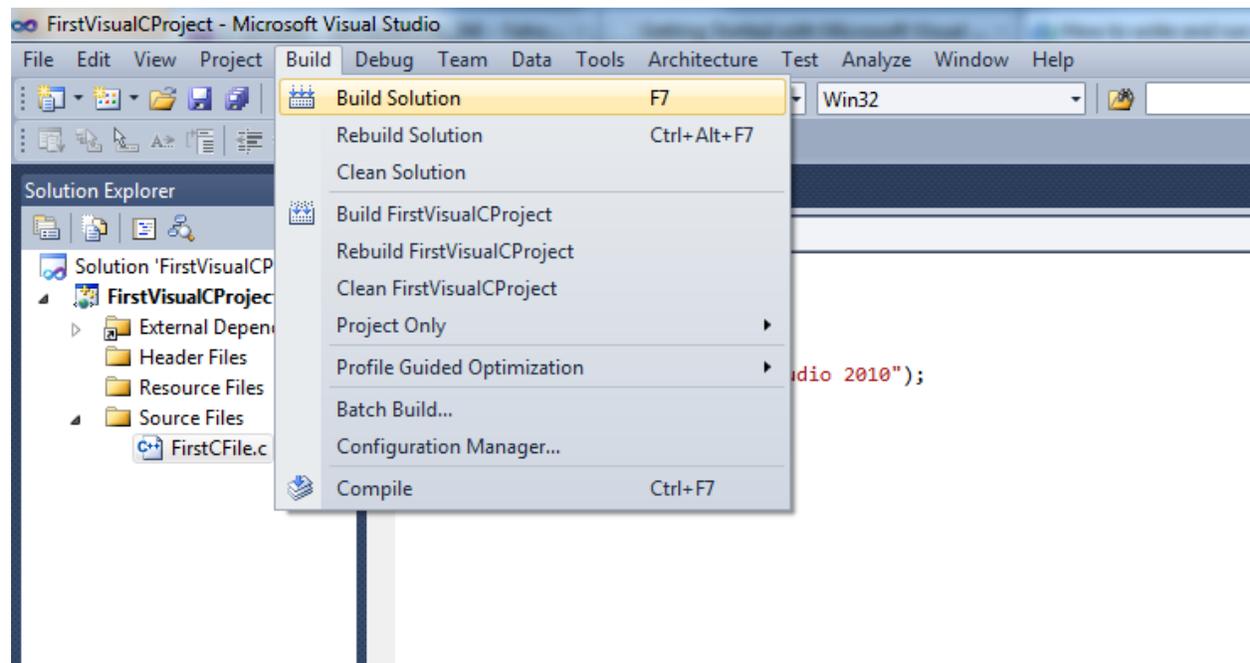
Step 4: Write first program

Now you are ready to write your first program. Copy and paste the following code into the file, which appears in the center of the screen.

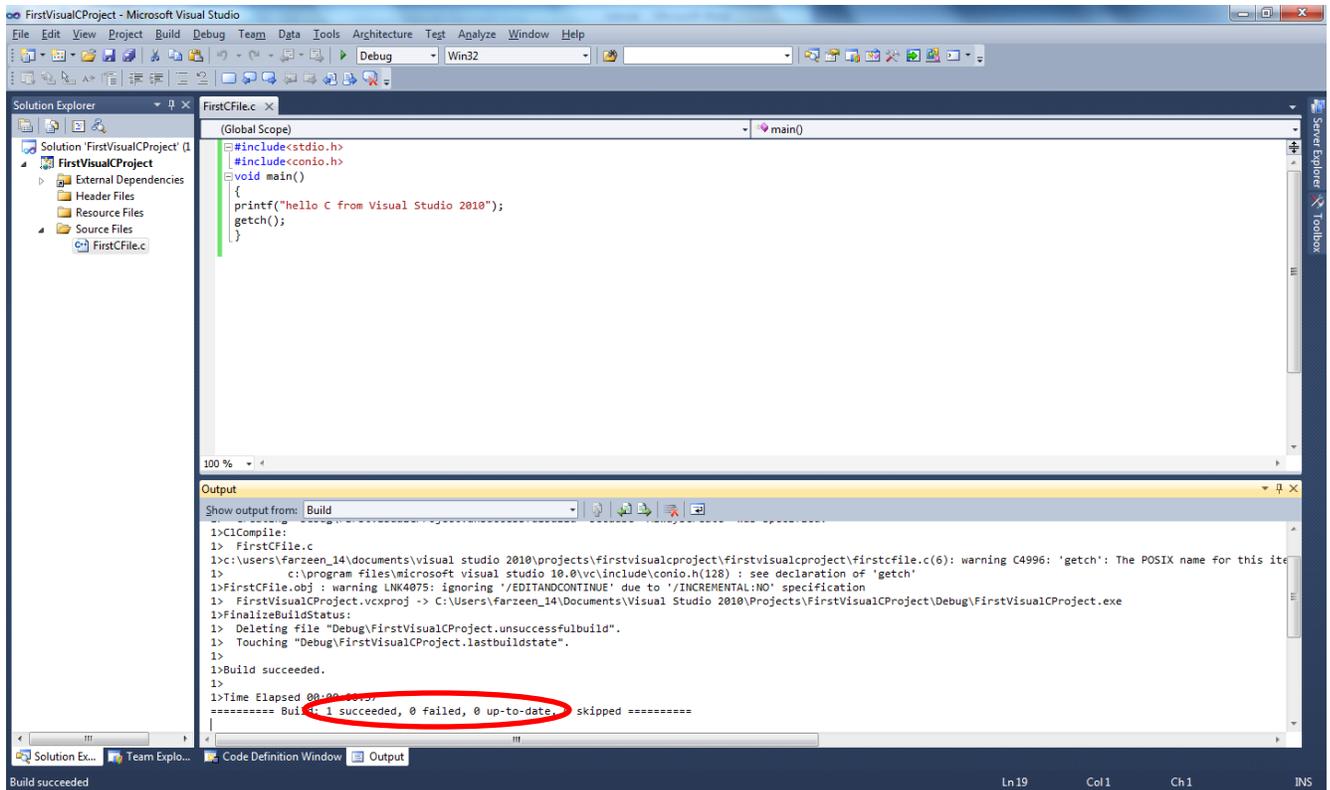
```
#include<stdio.h>
#include<conio.h>
void main()
{
printf("hello C from Visual Studio 2010");
getch();
}
```

Step 5: Compile and run the code

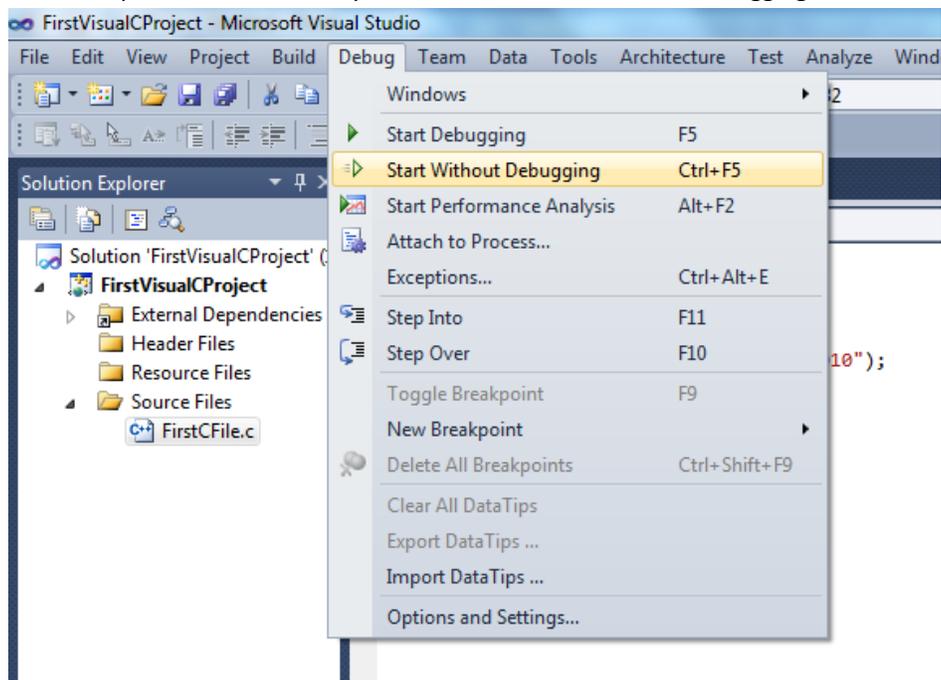
Press F7 from keyboard, or select **Rebuild solution** from the **Build** menu.



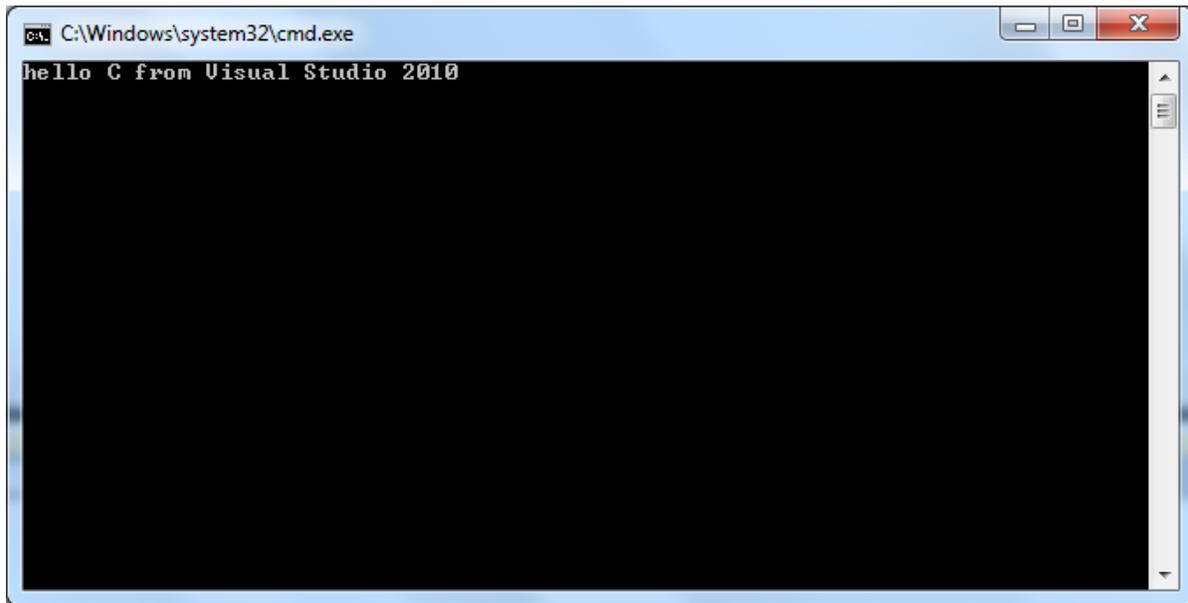
The build output will appear in the lower half of the screen. If everything is OK, the output will show 1 succeeded, 0 failed.



If the build is successful, press **Ctrl+F5** from keyboard, or select **Start without Debugging** from the **Debug** menu.



Following output will appear on the screen.



```
C:\Windows\system32\cmd.exe
hello C from Visual Studio 2010
```

The image shows a screenshot of a Windows command prompt window. The title bar at the top reads "C:\Windows\system32\cmd.exe" and includes standard window control buttons (minimize, maximize, close). The main area of the window is black with white text. The first line of text is "hello C from Visual Studio 2010". There is a vertical scrollbar on the right side of the window.