

Walkthrough tutorial in creating a project and executing a simple C program in Microsoft Visual Studio C++ 2005 Express Edition 2005 expression Edition.

1. When Visual Studio first starts, the system will come up with no active solution or project, and may have a “Start Screen” to display what was worked on last.
2. All Visual Studio programs require a Solution and a Project before the file can actually be added into the system. Start out by going to **File** on the main menu.
3. Next, select **New** and a second menu will appear. On this second menu, select **Project**.
4. A dialog box will appear, called **New Project**.
5. Inside of this dialog box, select **Win32** and **Win32 Console Application**.
6. Now, give the project a **Name**, in this example “FirstProject”, and use the **Browse** button to find a **Location**.
7. The **Location** is important, this is where the files that make up the program will be stored, and can be navigated by using the Windows Explorer.
8. Once the **Name** and **Location** are correct, click **OK**
9. Next, the **Application Wizard** dialog box will open.
10. On the left will be a pair of options, **Overview** and **Application Settings**.
11. Select **Application Settings**.
12. Under **Application Settings**,
 - i. for **Application Type** select **Console Application**,
 - b. and for **Additional Options** select **Empty Project**.
13. Once this is done, click **Finish**.

14. Now, the Project and Solution are created and loaded into the Studio.
15. The next step is to create a file in which to program.
16. Go to the box called **Solution Explorer**, and highlight the **Source Files**.
17. Note, different machines may have different layouts for the Studio.
18. Look for the Solution Explorer Tab if the system is not immediately visible, or go to **View** on the main menu, and select **Solution Explorer**.
19. Now, click **Source Files** with the right button on the mouse, and a submenu will appear.
20. Put the mouse pointer on the word **Add**, and yet another menu will appear.
21. This time, select **New Item**
22. The **Add New Item** dialog box will appear.
23. In this case,
 - a. select the **C++ File** from the **Templates** window,
 - b. and give the file a name, like "MySourceCode.cpp".
24. Then, select **Add**
25. Now, a new page opens up on the Studio, where a simple program can be typed in.
26. This tabbed area represents the file "MySourceCode.cpp".
27. Here, the C code can be typed in and saved and compiled, a working area
28. Once the program has been entered, select **Build** from the main menu, and choose **Build Solution**.
29. The program will now Compile, and if successful will report a success and no errors in the **Output** window
30. Now, to run the program, select **Debug** from the main menu, and select **Start Without Debugging**.

31. A Windows Command Prompt box will appear, and the program will be executed.
32. Any output from this program will be displayed in the Command Prompt box.

Enjoy your programming!!!