# How to Use Microsoft Visual Studio

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#### 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.

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	elect Visual	Win32 Console Apple	cation	Visual C++	* Type: Visual C++ A project for creating a Win32 console
ATL C-	++	MFC Application		Visual C++	application
General MFC Test		Win32 Project		Visual C++	
Win32		Empty Project		Visual C++	11 <sup>-</sup>
Other Project Typ Database	e	ATL Project		Visual C++	
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ocation:	C:\Users\farzeen_1	4\Documents\Visual Studio 20	•	Browse	
olution name:	FirstVisualCProject	1			✓ Create directory for solution Add to source control

Press Ok. The following window will pop up.

Win32 Application Wizard - First	tVisualCProject							
Welcom	Welcome to the Win32 Application Wizard							
Overview Application Settings	These are the current project settings: • Console application Click <b>Finish</b> from any window to accept the current settings. After you create the project, see the project's readme.txt file for information about the project features and files that are generated.							
	<pre><previous next=""> Finish Cancel</previous></pre>							

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

Win32 Application Wizard - FirstV	/isualCProject	? x
Application	on Settings	
Overview Application Settings	Application type:	Add common header files for:         ATL         MFC

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.

Add New Item - FirstVisualCProje	ct		?	x
Installed Templates	Sort by: Default	[	Search Installed Templates	٩
▲ Visual C++ UI	C++ File (.cpp)	Visual C++	<b>Type:</b> Visual C++ Creates a file containing C++ source	code
Data Resource	h Header File (.h)	Visual C++		
Web Utility	Midl File (.idl)	Visual C++		
Property Sheets	Module-Definition File (.def)	Visual C++		
	Component Class	Visual C++		
	Installer Class	Visual C++		
Name: FirstCFil	e.c			
Location: C:\Users	\farzeen_14\Documents\Visual Studio 2010\Projects\FirstVisual	CProject\FirstVisualCProje 🔻	<u>B</u> rowse	
			<u>A</u> dd Can	icel

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.

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<ul> <li>Resource Files</li> <li>Source Files</li> </ul>		Batch Build								
🕶 FirstCFile.c		Configura	tion Ma	nager						
	٢	Compile				Ctrl+F7				

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

<ul> <li>FirstVisualCProject - Microsoft Visu</li> </ul>	al Studio		
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Build succeeded		Ln 19 Col 1	Ch 1 INS

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

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Following output will appear on the screen.

C:\Windows\system32\cmd.exe	x
hello C from Visual Studio 2010	*
	=
	-