

# Microsoft Visual Studio 2010 Instructions For MASM Programs

# **Creating a NEW MASM Project**

1. Open your **Windows Explorer** window to the **C: drive**.



2. Change drives so you are viewing the Local Disk (C: drive) on your computer.

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	🕌 Windows	9/13/2011 12:22 PM	File folder		
	IrvineExamplesVS2010.exe	4/28/2011 10:21 PM	Application	1,908 KB	
Network	🚳 mfc70.dll	1/5/2002 3:48 AM	Application extens	952 KB	
	🔊 mfc70u.dll	1/5/2002 3:36 AM	Application extens	942 KB	
	PSQL_v10_Install.log	7/25/2011 10:59 AM	Text Document	2,517 KB	
	SageMessageCenter Install.log	7/25/2011 11:06 AM	Text Document	854 KB	

3. Change directories on the Local Disk so that you are in the Irvine\Examples directory.



4. Copy the **Project sample** directory to your Home directory (Z: drive) or to your USB drive.

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5. **Rename** the copied directory so that the name reflects your new project.

You know have the assets required to create a MASM project. At this point you can proceed to the 'Opening an EXISTING MASM Project' which is detailed below.

### **Opening an EXISTING MASM Project**

After opening Visual Studio 2010,

- 1. Select **File > Open > Project/Solution** from the main menu. This will open the **Open Project** dialog box.
- Using the Open Project dialog box, locate the Visual Studio Project you wish to open. Your existing projects should be located either on the Z: drive or your USB drive. Once you have located the Project, select it and Press the Open button at the bottom of the dialog box.

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3. At this point your Project should be open in your Visual Studio Workspace.

4. Expand your project by clicking on the  $\triangleright$  to the left of your project name.



5. Double click on the MASM file (ie. MyFile.asm) at this time to open it in the Visual Studio editor.



6. You should be able to modify the existing MASM file at this point in time.

## Saving a MASM Project / Source File

- 1. Select the **Tab** that contains the **Source Code** you wish to save.
- Select File > Save filename.asm from the main menu. This will automatically save the source code in that is open in the active tab of your

Visual Studio 2010 workspace.



#### **Notes About Saving Your Files**

- If you want to save a copy of your source code in a new file, you will want to choose the Save *filename.asm* As.. option from the File menu.
- If you have more than one file open that you need to save, you may use the **Save All** option from the **File** menu and this will update all of your open files.
- <u>When saving your files in the Business/CS Computer Lab and</u> <u>Classrooms</u>, make sure that you are saving your files to either your Home Directory (Z: drive) or your USB drive otherwise you may lose your documents.

# **Compiling and Running a MASM Program**

1. To compile and link your program, select Build > Build Solution from the main menu. This will allow you to build an executable file which will be saved in your projects **Debug** directory.



At the bottom of your screen you should see the results of the compilation process which look similar the results in the picture below which indicate that your program has been built successfully:



2. To Run or Execute your program, press CTRL-F5 on your keyboard.

A new window should open and this should contain the results of your programs execution.



## **Closing a MASM Project**

 Select File > Close Solution from the main menu. If your Project has not been saved recently, a Microsoft Visual Studio message box will be opened prompting you to confirm any changes you have made to your Project and/or Source Code files.

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2. Press the Yes button to confirm saving changes to your Project.

Upon confirmation, all of your open files should be closed and your Solution Explorer should be void of information. At this point you can either close Visual Studio <u>OR</u> open a NEW or existing MASM Project.

## **Exiting Visual Studio**

7. Select File > Exit from the main menu. At this point Visual Studio will close.

