

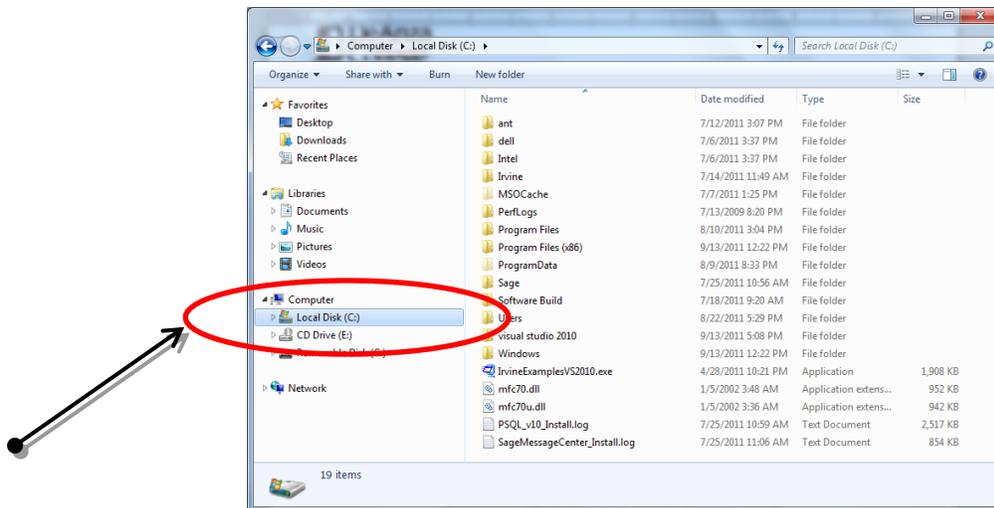
Microsoft Visual Studio 2010 Instructions For MASM Programs

Creating a NEW MASM Project

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



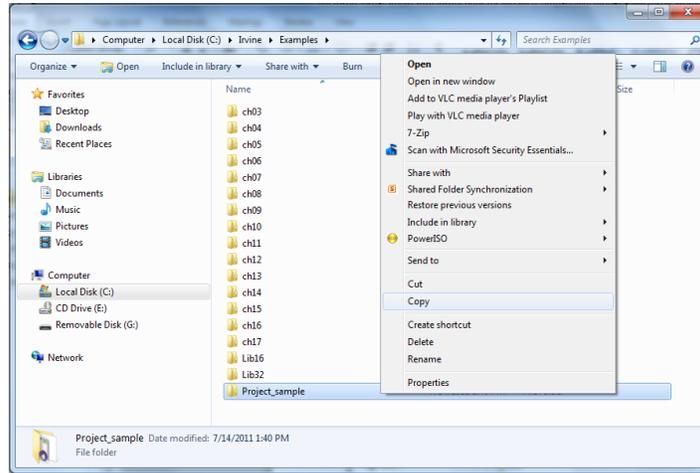
2. Change drives so you are viewing the **Local Disk (C: drive)** on your computer.



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



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



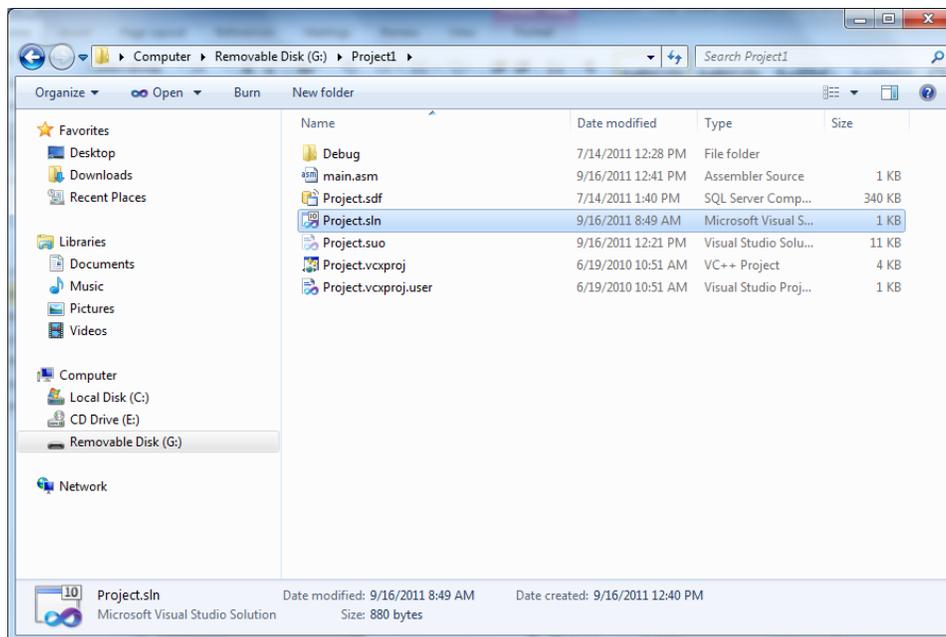
- Rename** the copied directory so that the name reflects your new project.

You now 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

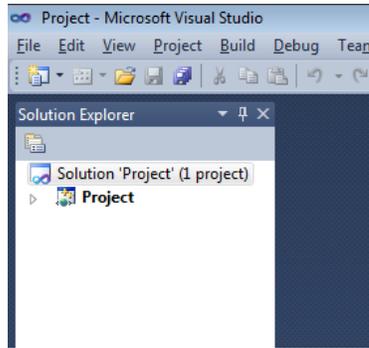
After opening Visual Studio 2010,

- 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.

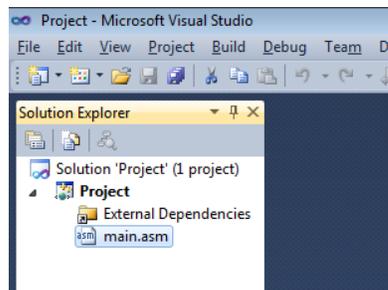


- At this point your Project should be open in your **Visual Studio Workspace**.

- Expand your project by clicking on the ▷ to the left of your project name.



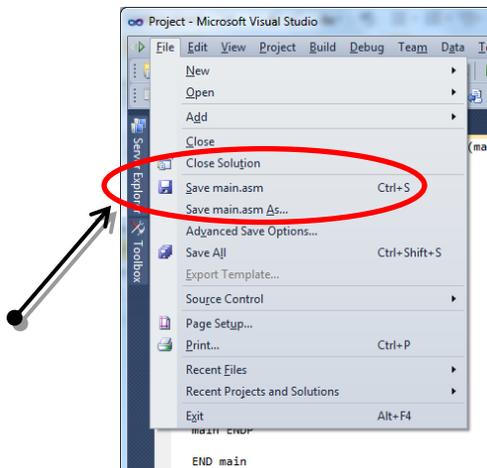
- Double click on the MASM file (ie. **MyFile.asm**) at this time to open it in the Visual Studio editor.



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

Saving a MASM Project / Source File

- 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.

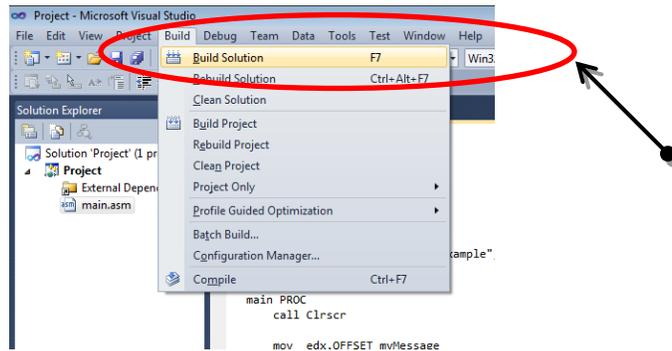


Notes About Saving Your Files

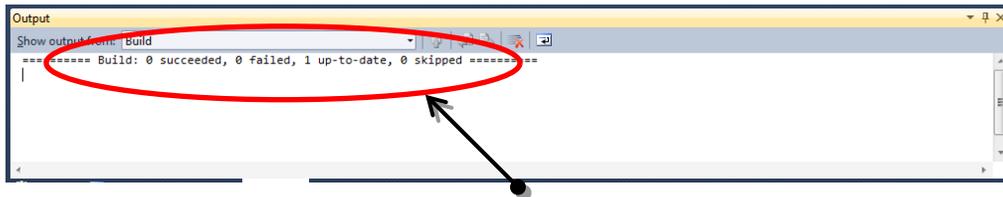
- If you want to save a copy of your source code in a new file, you will want to choose the **Save filename.asm As..** option from the **File** menu.
- If you have more than one file open that you need to save, you may use the **Save All** option from the **File** menu and this will update all of your open files.
- **When saving your files in the Business/CS Computer Lab and Classrooms**, 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.

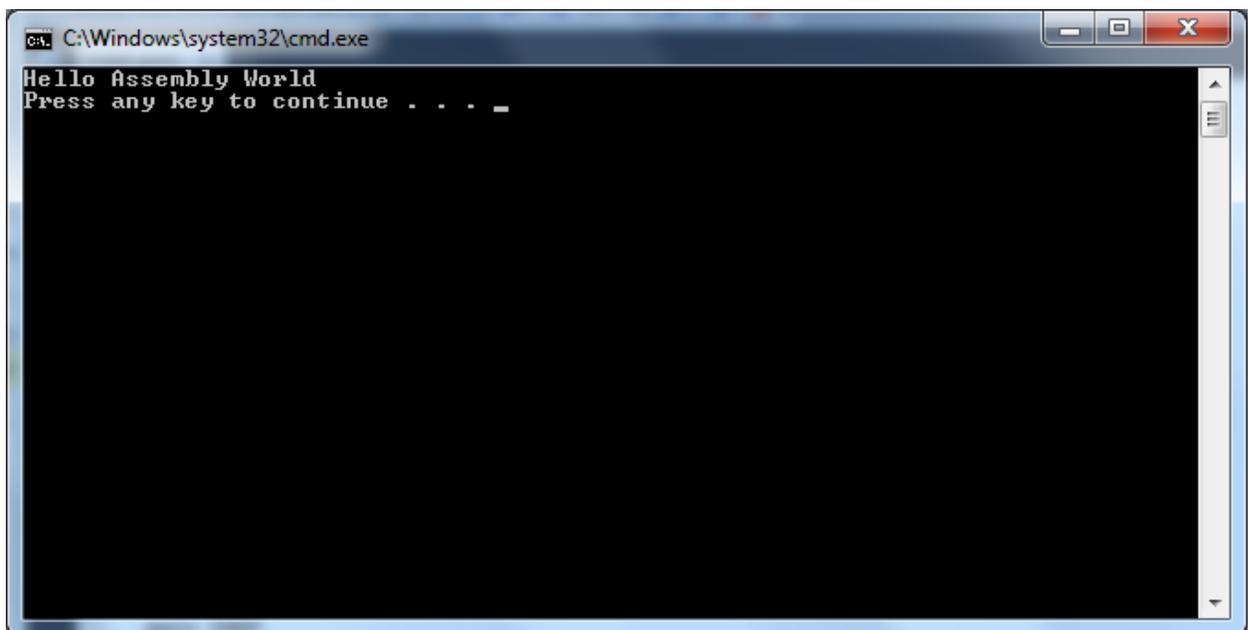


At the bottom of your screen you should see the results of the compilation process which look similar the results in the picture below which indicate that your program has been built successfully:



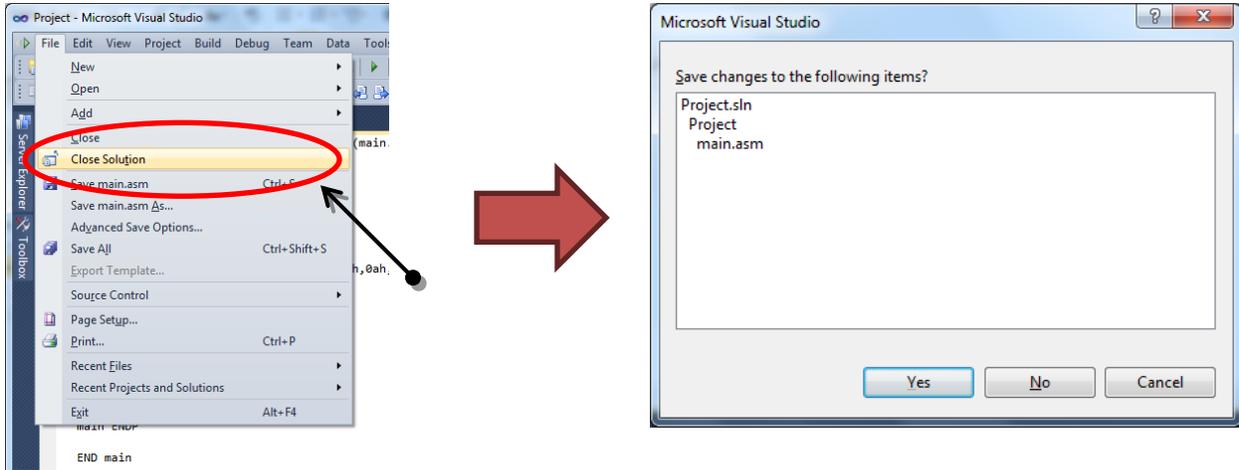
2. **To Run or Execute your program**, press **CTRL-F5** on your keyboard.

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



Closing a MASM Project

1. 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.



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 OR 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.

