Instructions for Installing and Building a C Program in Microsoft Visual Studio 2010

ECE 175

1. Installation

Step 1: Go to Microsoft DreamSpark at: https://www.dreamspark.com/

Step 2: Create an Account using your UofA email and by choosing The University of Arizona as your institution/school

Step 3: Download Microsoft Visual Studio 2010 Professional (you will download an image .iso file)

Step 4: Install Microsoft Visual Studio 2010 Professional (burn image into a DVD or mount image using a DVD emulator program such as MagicDisk; see TAs if you need help with this step)

2. Setting up your Environment

Step 1: Run Microsoft Visual Studio 2010; choose general C++ development as your environment (you are only asked the first time you run the program)

Step 2: Go to Tools>>Options>>Debugging>>Symbols and check Microsoft Symbol Servers

![Image showing the Symbols settings in Visual Studio](image-url)
Step 3: Choose a directory to cache debugging information and press OK

![Image of directory selection in Visual Studio]

Step 4. To create a new project, go to File>>New Project. Under Visual C++ choose General>>Empty Project. Name your project with your name of choice. You will see a set of folders being created in the Solution Explorer.

![Image of new project creation in Visual Studio]
Step 5: Right click on the project that you created and go to properties>>configuration properties>>linker>>system and change the subsystem value to “CONSOLE (/SUBSYSTEM CONSOLE)”

Step 6: To add a file to your project, right click on the “source files” folder, press add>>new item>>C++ file. Give it a name and save it with a .c extension
Step 7: Right click on the file that you added and go to properties. Under C/C++ go to Advanced>>Compile As and change the default value to “Compile as C Code (/TC)” and press apply.

3. Building your Code

Step 1: After you have edited your program press save.

Step 2: Press Build>>Build solution (F7). If your code contains no errors you will see the following message in the output: “========== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ========== ”

Step 3: To execute your program press Debug>>Start without debugging (Ctrl+F5)