

CS I Lab 1

MONSTER MACHINE

OK, so welcome to the lab! Today we're working with Metrowerks CodeWarrior. Here is an example to work with first.

First off, you must "log in" to the computer. At the prompt, type your user name (student) and password (student). Make sure that FOOTHILLPUSD is selected. Click on "OK".

I) To open CodeWarrior

- Double-click on the "CodeWarrior IDE" shortcut button located on the desktop. This will launch the programming environment.

II) To set-up for coding:

- This step will create a **project folder** and some necessary files for your program to work.
- select "File" --> "New"
- a dialog box will appear. Pick "CS1&2". You must name the project in the upper right of the dialog box. The best name is whatever lab you're currently doing (i.e. "Lab 6" or "Lab 10.2") Use the "set" button to change where the project folder is saved. Save it to the desktop using the dropdown menu at the top of the dialog box and clicking on the "Save" button. This will create a program 'workspace' that already has a bunch of stuff in it.
- At the original dialog box, choose "OK".
- You have now created a new project folder and it should be reserved on the windows desktop. You will see the project window on your screen. In that window, you'll see a folder titled "Source Code". Click on the + sign to the left of the folder. Inside, you'll find a file called "main.c. Double click this icon and you'll find your source file is ready to be edited into your program!!!

III) Compile:

To compile and link this program, select the "Make" button on the toolbar across the top of the screen. It looks like a hand holding a pencil over a piece of paper. After this step you will notice a new window on your screen. It may say "0 errors. 0 warnings." This window is known as the debugger and may tell you if you typed in a statement incorrectly and where it may be found. After this step you may test run your code to see if it works (see below). If you make any changes to your code you must use the "Make" button again. This way you'll compile your most recent version of the program.

IV) Test:

To test run the program, simply click the "run" button on the toolbar. It looks like a play button on a CD player. This will allow you to view your program run.

V) Save your work!!!

When you're done with your session, simply exit the CodeWarrior IDE. You'll find your lab folder on the desktop. Because of the settings on the computer you will not be able to save the work to the desktop or to the computer. Therefore you need to either save the lab to your flash drive (save the entire folder from the desktop) or email this folder to yourself in your email. There have been issues with email, so you really should save it onto the flash drive.

NOTE: when continuing lab work from a previous day, use the following steps. Open your computer using the steps from before. Ensure that no lab folders are on the desktop. If there are some, delete them. Drag the lab folder that you want to work with to the desktop from your flash drive (or email). Open the folder and double-click on the .mcp file. This will launch CodeWarrior with your entire project ready to go. When done, save following the steps given above.