

Name: _____

Lab 2

The goal of this lab is to learn the mechanics of using the EVBplus2 development board.

Pre-Lab:

Read the EVBplus2 Getting Started Manual from page 1 to page 10.

Read the 68HC11 GNU Compiler Documentation

Lab:

- a. Install Cygwin software from the CD provided
- b. Download from the class webpage Wytec Software and install it
- c. Download from the class webpage the 68HC11 Gnu Compiler and install it
- d. Test that the board works in Wytec mode (Getting Started with Wytec)
- e. Download from the class website the program bled.asm and verify that it works in Wytec modes.
- f. Download from the class website the program b-led.c and verify that it works Wytec modes. (You will need to compile and link the C program using GNU 68HC11/68HC12).

Instructions to compile the program b-led.c

Step 1. Invoke cygwin

Step 2. Create a directory called Lab2:

➤ `mkdir Lab2`

Step 3. Go to the directory Lab2

➤ `cd Lab2`

Step 4. Copy the following files in the directory Lab2:

`e.bat`

`memory.x`

`b-led.c`

Step 5. Compile the program b-led.c.

➤ `e.bat b-led`