CSC 256 – Spring 2016
Assignment 1 – Hello World!
Due February 1, 2016 in class
1 Point

Introduction

This assignment is designed to get you ready to start programming in assembly language for the MIPS processor, and to start playing with assembly code.
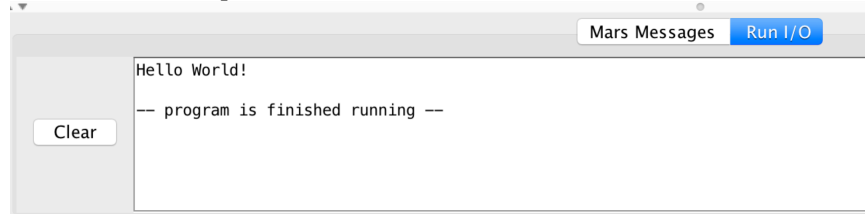
Description

This semester you will be using the MARS MIPS emulator, which includes an assembler. This will allow you to assemble code and run it on a virtual MIPS processor.

Tasks

1. Install MARS. Go to http://courses.missouristate.edu/KenVollmar/MARS/ and download the MARS jar file. Please note you will need to have Java installed on your computer for this to work. Run MARS to make sure it is working.

2. From iLearn, download the hello_world.asm file.

3. Run MARS, and load the hello_world.asm file. Usually you just need to double click on the .jar file. Your specific operating system may vary.

4. Assemble the file. Select Run > Assemble.

5. Run the program. Select Run > Go.

    You should see output at the bottom of the screen that looks something like:

6. Modify the program:

> Step 1: Get it to print a message other than "Hello World!"

> Step 2: Get it to print a message other than "Hello World!" on multiple lines.

Submission

Please turn in a printout of your program (step 2 only), and its output. You can copy/paste the output from the Run I/O window into the document containing your code. **Be sure your name is on the page!**

Your submission should be in fixed-width font, on 8-1/2 x 11 paper. You are welcome and encouraged to use both sides of the page. If you are submitting multiple pages, be sure to staple them together.