General Description:

During this assignment we created a mips assembly language program using a cross compiler, as described by the assignment. We more so are tasked with reviewing C code, producing two files, editing one file to describe what each line’s job was, explain why these lines were produced in the first place, add comments relating to the instructions from a specific function that must be related to the instructions in the C code as well as how they relate to the information in the stack.

Compiler/Environment used:

Using a mix of Putty, tux, WinSCP, and QtSpim I was able to view and compile all the files used in this assignment. In tux I used vi to edit the lst file while using QtSpim to view the .s file while also using the .c file for a reference on what was happening in the original code.

Requirements:

We did not create a program so there are no requirement for running this, you would need a word processor of some kind to view it though.

Testing:

After going though the outline of the mips code in the .lst file I opened the .s file in QtSpim and the program compiled successfully

Special/Interesting:

Nothing special or interesting stands out for this lab, I felt like i could see the movement of information a little better since i had to walk with it as I type out the instructions but felt more redundant at times.

Final Mentions:

I think that a clearly stated set of direction explaining exactly what the comments are suppose to include would be one of the more helpful changes you could make for this assignment. The details of the comments are stated differently with different degrees of detail asked at each mention, the first in step 3 of what to do being “add comments to the assembly language to fully explain what their job is”, the second in step 4 being “for each statement in the main() and MinMaxit() functions of the C program, explain why the compile produced the corresponding set of instructions” and then again in the what to hand in section “Add a comment to every instruction of the MinMaxIt() function in the minmax\_iterative.lst file. Comments must relate the instructions to the C code and the data in the Stack”.