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CS281 060

Assignment G1

General description:

This assignment is to use gcc cross compiler for MIPS running on tux and implements an iterative algorithm that simultaneously computes the minimum and maximum element of an array. All the comments for this assignment are in minmax\_iterative-b.s. First, I created a new directory on my tux account, the upload the C program. Then insert the gcc command and it produced a .lst file. Then I removed the headers and some spaces by using the cut command. Tmp, .s and –b.s files were created after this.

Compiler/OS

The assignment was done on my personal Mac OS X with QtSpim and tux gcc

Program:

No other program was used

Testing:

To test the final solution, I used QtSpim and reinitialize and load the minmax\_iterative-b.s and run it. The console showed MinMax was 2 and 33 which was correct, matching the numbers in the array.

Interest:

It was interesting to understand how C program can be translated to MIPS program and their correlation.

Improvements:

The instructions for uploading to tux was not clear, did not understand what that mean at first. Also using the gcc command was confusing.