

CS2292 Lab 3
February 4, 2021

Question 1.

Run the attached *hello_world.asm* on QtSpim.

Question 2.

Write an assembly program to load 32-bits in register *s3*. Note, do not use *li* (*li* is a pseudo-instruction).

Question 3.

Run the attached *32bit.asm* on QtSpim. Can you explain why it was mentioned that *li* is a pseudo-instruction? (Observe the *text* segment)

Question 4.

Run the attached *array.asm* on QtSpim. Observe the data segment.

Question 5.

Implement the attached *loop.c* in assembly.

Question 6.

(Not part of the evaluation) Initialize an array of eleven elements. Implement bubble sort.