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CIS655 – Summer 2020, Tuesday @ 9:00pm EST

Homework 2

Question 1

To find the min and max from an array in MARS, I used a very simple double loop to sort the array. Then I took the first and last values from the array as the min and max values, respectively. I assumed a fix length of array that was known at the start of the program, which made the indexing much easier. Finally, I added a few lines related to printing the outputs in the I/O window in MARS. While the registers show the correct values, I enjoyed seeing the values printed in the terminal as well. Screenshots below. First, two of the code before it is assembled. Then the text/data segments after it is assembled but before it is run. Finally, the end result after it is successfully ran, including registers.









