Assignment No. VI, MIPS Practice
Computer Organisation - CS220

1. Write an MIPS code to find out the second maximum and second minimum of a given array of 10 elements. You can assume that the array elements are already available in the data segment.

2. Write and test an MIPS code that repeatedly reads in integers and adds them into a running sum. The program should stop when it gets an input that is 0, printing out the sum at that point.

3. Write and test an MIPS code that reads in a positive integer using the system calls. If the integer is not positive, the program should terminate with the message "Invalid Entry"; otherwise, the program should print out the names of the digits of the integers, delimited by exactly one space. For example, if the user entered "728", the output would be "Seven Two Eight."

4. Write and test an MIPS code to compute the factorial of a given number.