ICS 233, Term 151

Computer Architecture & Assembly Language

Programming Assignment# 1
Due date: Tuesday, Sep. 29, 2015

Q.1. Write a MIPS assembly program to do the following:

i. Ask the user to enter the size of an array of integers (i.e., words), n.
ii. Read n integers and stores then in the array.
iii. Display the sum, maximum and minimum in the array.
iv. Ask the user to enter an array index k. If the index is outside the array range, print the statement that the requested element is out of range. Otherwise, print the content of array at the requested index.

The solution should be well organized and your program should be well documented. Submit a soft copy of your solution in a zip file. Your solution should be submitted in a **word file** *that contains the following items:*

i. Your name and ID

ii. Assignment number

iii. Problem statement

iv. Your solution along with the code

v. Discussion of what worked and what did not work in your program. Include snapshots that demonstrate the working parts of your program. If things did not work and you attempted to solve them, mention that and write about the difficulty that you have faced.