

ICS 233, Term 081

Computer Architecture & Assembly Language

Programming Assignment# 4

Due date: Mon., Jan. 5, 2008

- Q.1.** It is required to write a MIPS assembly program that does the following:
- (i) Asks the user to enter a list of floating point numbers and read them.
 - (ii) Sort the floating point numbers using any sorting algorithm of your choice and display the sorted numbers.
 - (iii) Compute the maximum, minimum and average and display them.

The solution should be well organized and your program should be well documented. Submit a soft copy of your solution in a zip file. The name of the zip file should be your ID with the new format (i.e. 200157690). 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.*