

## COE 205, Term 033

### Computer Organization & Assembly Programming Programming Assignment# 3

Due date: Saturday, July 31, 2004

You are required to write an assembly program to do the following:

- (i) Ask the user to enter the number of students in the class.
- (ii) Read a list of names and scores.
- (iii) Sort the names and scores from highest to lowest and display them.
- (iv) Print the average of the scores within two decimal digits.

Use the TAB character to format your output. A sample execution of the program is given below:

Enter the number of students in the class: 5

Enter the list of names and scores:

Ali 80

Muhammad 95

Khaled 66

Omar 87

Majed 70

The list of sorted names and score:

Muhammad 95

Omar 87

Ali 80

Majed 70

Khaled 66

The average of scores is: 79.60

***Make sure that your program is well documented. Provide a hard copy of the program and a soft copy of both the assembly code and the executable stored in a floppy disk.***