

COE 205, Term 021

Computer Organization & Assembly Programming

Programming Assignment# 1

Due Date: Monday Oct. 28, 2002

- Q.1.** Write an assembly program that does the following:
- (i)** Prompts the user to enter a number, n, between 1 and 9.
 - (ii)** Reads an array of n names and scores such that the maximum name length is 25 characters. Scores are given as two-digit scores. A single character separates a score from a name. Each element of the array is entered in a new line. It is required that you store both names and scores in a two-dimensional array called Array.
 - (iii)** Computes the average of the scores and prints it truncating the result to the first fraction.
 - (iv)** Prints the entered array of names and scores in reverse order.

A sample execution of the program is shown below:

*Enter a number (1-9): 3
Enter the array of names and scores:
Ali Naser 15
Salem Ahmed 10
Khaled Fahd 25*

*The average of scores is: 16.6
The array of names and scores in reverse order is:
Khaled Fahd 25
Salem Ahmed 10
Ali Naser 15*

Include both a hard and soft copy of your program in an envelope that contains your name and ID. The solution should be well organized and your program should be well documented. The soft copy should be submitted in a floppy including a Readme file indicating the file names containing the solution and whether it works or not. The Readme file should also contain your name and ID.