

COE 205, Term 031

Computer Organization & Assembly Programming

Programming Assignment# 3

Due date: Sunday, Nov. 30, 2003

Q.1. Write an assembly program that does the following:

- (i) Reads a list of names such that the maximum length for each name is 20 characters. Assume that if a user hits a carriage return that this will indicate the end of the list and that the program will determine the size of the list based on this.
- (ii) Sort the list of names alphabetically in an Ascending order.
- (iii) Print the list of sorted names.

A sample execution of the program is shown below:

Enter a list of names:

Ahmed Yousef

Ahmed Ali

Usama Khaled

Ibrahim Saleh

The sorted list of names is:

Ahmed Ali

Ahmed Yousef

Ibrahim Saleh

Usama Khaled

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.