

COE 205, Term 043

Computer Organization & Assembly Programming

Programming Assignment# 1 Due date: Monday, July 18, 2005

- Q.1.** Write an 8086 assembly program that does the following:
- (i) Ask the user to enter a number **n** in the range **1-9**.
 - (ii) In a new line, ask the user to enter **n** characters and read the **n** characters. Your program should not read more than **n** characters.
 - (iii) In a new line, print the entered string of characters.
 - (iv) In a new line, print the entered string of characters in reverse order.

A sample execution of the program is shown below:

*Enter a number in the range (1-9): 6
Enter a string of 6 characters: COE205
Your entered string is: COE205
Your entered string in reverse is: 502EOC*

It is very important that you strictly follow the format given to you in the sample execution of the program.

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 soft copy should include 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. Submit both source code file (i.e. .asm) and the executable file (i.e. .exe).