**ASSIGNMENT-2**

1)(a)Write a program to move the string” MP is the most interesting subject” from old\_loc to new\_loc which is 50 byte away from the initial location.

(B)Define the term ‘reentrant’ and explain how to pass parameters to procedure so that it is reentrant.

2) (a)write an ALP macros for (1) to read a character from the keyboard.(2) to display a character back on screen.

(b)Explain how CLD and STD instruction are used along with other string instruction with an example for each case.

3) (a)write the 8086 groups of instruction which will

(1) Initiate the stack segment register to 1000H and stack pointer to 4000H.

(2) Call a near procedure named FIRST.

(b)Give three difference between macro and procedure.

4) (a)Write a program to read and display the string “computer science and engineering” for 8086 using near procedure.

(b)what are the different use of stack when used along with the procedure?

5) (a)Write an ALP to find the number of times letter ‘e’ exist in the string exercise and display it on the screen using near procedure.

(b)While you have to call a far procedure what is program addition you have to write along with the actual code.