RECORD OF WORK DONE:

Sr no.		Experiment
1	1.1	Study of DOS Debug Command.
2	2.1	Write an assembly language program for subtraction of two 16-bit numbers.
	2.2	Write an assembly language program to perform scalar multiplication of an array of five unsigned bytes.
3	3.1	Write an assembly language program for moving a string from one segment to another segment.
	3.2	Write an assembly language program to compare two strings of equal length.
	3.3	Write an assembly language program which accepts a character and a string from the user and prints the position of the character into the string if it is found, otherwise the message "NOT FOUND". For simplicity, enter the string with length in single digit, that is less than or equal to 9.
4	4.1	Write a multi module assembly program to divide 32-bit numbers by 16- bit numbers and return a 32-bit quotient.
	4.2	Write an assembly language program to develop a far procedure to find whether the given number is EVEN or ODD and prints the message appropriately. Write a main program to call this far procedure and pass the roll_no as a parameter to the far procedure.
5	5.1	Write an assembly language program of dividing four numbers. If the result of the division is too large to fit in the quotient register then the 8086 will do a type 0 interrupt immediately after the divide instruction finishes.
6	6.1	Write a C program to convert Celsius to Fahrenheit where the function "C2F" is assembly language function. Print the converted temperature in Fahrenheit from C program.
	6.2	Write a C program to convert Celsius to Fahrenheit where the functions "C2F" and "Show" are assembly language functions. (Note: Name, Roll and message you can print directly from the C program but to display converted temperature define show() function in assembly language.
7	7.1	Write a program to take one character from the keyboard and echo on screen.
	7.2	Write a program to take one character from keyboard and convert into lowercase.

	7.3	Write a program to get a string and convert this string from uppercase to lowercase.
	7.4	Here is a string "Hello Sunil Welcome to 8086 Microprocessor". Write an assembly Language program to convert the above string to "Hollo Sunil Wolcomo to 8086 Microprocossor" (Replace 'e' with 'o').
8	8.1	Study of implementation of Recursion in assembly language.(Program to find Factorial using recursion)
9	9.1	Write an assembly language program to convert a 4-digit BCD number to binary. Use procedure and stack to pass parameters.
	9.2	Write an assembly language program to count the number of 1's in the binary representation of 16-bit numbers using procedure and registers as parameter passing methods.
10	10.1	Active TSR using Hot key combination.
	10.2	Example of Active and Passive TSR(Screensaver).