### ALP LAB INTERNAL PROGRAMS

1.)Write an ALP in 8086 to add two 16-bit unsigned numbers.

2.)Write an ALP in 8086 to subtract two 16-bit unsigned numbers.

3.)Write an ALP in 8086 to multiply two 16-bit unsigned numbers.

4.)Write an ALP in 8086 to implement ASCII Adjust and decimal adjust instructions.

5.)Write an ALP to pack two digits into a Byte.

6.)Write an ALP to Count number of 1’s and number of 0’s present in the binary representation of a given number.

7.)Implement the string manipulation function using appropriate registers to Copy a string.

8.)Implement the string manipulation function using appropriate registers to perform Lower to upper case.

9.)Implement the string manipulation function using appropriate registers to perform Reverse a string.

10.)Implement the string manipulation function using using appropriate registers to perform Palindrome.

11.) Write an ALP to Count no of even and odd numbers from the given array of numbers.

12.) Write a program to check whether a given number is Positive or Negative number.

13.) Write an ALP to sort the given array of numbers.