

## ASSIGNMENT 4

Write an assembly language program to :

1. Count total number of alphabets, digits, special characters and words in a string.
2. Find the area of a circle given the radius.
3. Find the square root of a number and compare the result with the output of FSQRT() instruction in NASM.
4. Find the average of n floating point numbers.
5. Check whether a given string is palindrome or not.
6. Find the mean, median, standard deviation and variance of n numbers.
7. Remove a given character from a string.
8. Remove duplicate words from a sentence.
9. Evaluate the sine series for n number of terms and compare the result with the output of FSIN() instruction in NASM.
10. Perform lexicographic sorting of n strings.