ROLL	
NAME	

Learning outcome: Students will be able to perform String operations.

ASSIGNMENT: III

Sl. No	Program Listing	Date	Signature
1	Write a program that checks if a substring exists within a given string and prints a message indicating whether it was found.		
2	Write a program that counts the number of occurrences of all the characters in a given string.		
3	Write a program to find the number of vowels, consonants, digits, whitespaces in the input string.		
4	Write a program that reverses a given string and prints the reversed string.		
5	Write a program to check whether the input email-ID is valid or not. The common rules for a valid email address: No spaces, no special characters except (@ hyphens (-), and periods(.), can consist of letters (a-z, A-Z), digits (0-9).		
6	Write a program that check if the input sentence is palindrome or not, ignoring spacing, punctuation and capital. e.g. never odd or even, no lemon, no melon, My gym		
7	Write a program to check whether the input strings are anagrams of each other or not. e.g. listen, silent		
8	Write a program that counts the number of words in a given text string. Consider words as sequences of characters separated by spaces or punctuation. Display the list of words.		
9	Write a program that converts English text into Pig Latin. following the rules: If the word starts with a vowel, "way" is added to the end of the word (e.g., "apple" becomes "appleway"). If the word starts with one or more consonants, those consonants are moved to the end of the word, followed by "ay" (e.g., "banana" becomes "ananabay").		
10	Write a program that implement a simple Caesar cipher encryption and decryption program that works on strings.		

SIGNATURE OF STUDENT.....

SIGNATURE OF FACULTY.....