Ex 6.Programs on Strings

6(a). Python Program to check whether the input string is palindrome.

**PROGRAM:**

n=input("Enter a string :") print("The given string is ", n) reverse=n[::-1] print("The reversed string is :",reverse) if(n==reverse):

print("The given string is palindrome.") else:

print("The given string is not palindrome")

**OUTPUT1:**

Enter a string :malayalam

The given string is malayalam

The reversed string is : malayalam

The given string is palindrome.

**OUTPUT2:**

Enter a string :HARSHA

The given string is HARSHA

The reversed string is : AHSRAH

The given string is not palindrome

6(b).REVERSE THE STRING **PROGRAM;**

def reverse\_string(str):

str1 = "" # Declaring empty string to store the reversed string for i in str:

str1 = i + str1

return str1 # It will return the reverse string to the caller function

str = input("Enter a string :")

print("The original string is: ",str)

print("The reverse string is",reverse\_string(str)) # Function call

**OUTPUT:**

Enter a string :

The original string is: harsha

The reverse string is ahsrah

6(c).find the length of the string

**PROGRAM:**

def length(): count=0

for i in str: count+=1 return(count)

str=input("Enter a string: ") print("The length of the given string is :",length())

**OUTPUT1:**

Enter a string: Harsha Varthanan

The length of the given string is 15

**OUTPUT2:**

Enter a string: Welcome to python UG lab.

The length of the given string is : 25

6(d). write a program that accepts a string from the user and display the string after replacing the vowel character with @

Test Data :

ENGINEERING ----> @NG@N@@R@NG

COLLEGE -----> C@LL@G@ **PROGRAM;**

str=input("Enter the string : ") vow=['a','e','i','o','u','A','E','I','O','U'] for i in str: if i in vow: i="@" print(i,end="") else:

print(i,end="")

**OUTPUT1:**

Enter the string : ENGINEERING

@NG@N@@R@NG

**OUTPUT2:**

Enter the string : COLLEGE

C@LL@G@