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 :KALYANI

The given string is KALYANI

The reversed string is : INAYLAK

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 :kalyani

The original string is: kalyani

The reverse string is inaylak

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: kalyani

The length of the given string is : 7

**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@