**EXP NO:6**

**DATE: 25.01.2023 PROGRAMS ON STRINGS**

**1)Check the given string is palindrome or not.**

**CODING:**

str=input("Enter a string :")

i=0

for i in range(len(str)):

if str[i]!=str[-1-i]:

print('It is not a palindrome')

break

else:

print('It is a palindrome')

**OUTPUT:**

Enter a string :python

It is not a palindrome

>>>

**2) Reverse a string**

**CODING**:

def Strreversed(str1):

if(len(str1) == 0):

return str1

else:

return Strreversed(str1[1:]) + str1[0]

str2 = input(" enter a string: ")

str3 = Strreversed(str2)

print("\nThe Original = ", str2)

print("The reversed = ", str3)

**OUTPUT:**

enter a string: noon

The Original = noon

The reversed = noon

**3)Length of the string**

**CODING:**

string=input("Enter string:")

count=0

for i in string:

count=count+1

print("Length of the string is:")

print(count)

**OUTPUT:**

Enter string:python

Length of the string is:

6

**4) 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@**

**CODING:**

print("Enter a String: ", end="")

str = input()

print("Enter a character to replace all vowels with it: ", end="")

char = input()

newstr = ""

vowels = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U']

for i in range(len(str)):

if str[i] in vowels:

newstr = newstr + char

else:

newstr = newstr + str[i]

print("\nOriginal String =", str)

print("New String =", newstr)

**OUTPUT:**

Enter a String: ENGINEERING

Enter a character to replace all vowels with it: @

Original String = ENGINEERING

New String = @NG@N@@R@NG

Enter a String: COLLEGE

Enter a character to replace all vowels with it: @

Original String = COLLEGE

New String = C@LL@G@