EXP NO:6

DATE: 2/01/23 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@