EXPERIMENT 6

PROBLEMS ON STRINGS

PALINDROME:

PROGRAM:

str=input(“Enter a string is “)

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

REVERSE THE STRING:

PROGRAM:

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

LENGTH OF THE STRING:

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:

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REPLACING THE VOWELS WITH @:

PROGRAM:

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’,’O’,’U’,’I’]

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@