**EXPERIMENT 6**

**PRACTICE PROBLEMS:**

**1.CREATING AND ASSIGNING VALUES TO STRING:**

a="hello"

b="welcome to python"

print(a)

print(b)

**OUTPUT:**

hello

welcome to python

**2.IN BUILT FUNCTION IN STRING:**

a="welcome to python program"

print(len(a))

print(a.capitalize())

print(a[0:6])

print(a.count("o"))

print(a.upper())

print(a.lower())

print(a.index("w"))

**OUTPUT:**

25

Welcome to python program

welcom

4

WELCOME TO PYTHON PROGRAM

welcome to python program

0

**PROGRAMS ON STRING FUNCTION:**

**1. PYTHON PROGRAM TO CHECK THE GIVEN PROGRAM IS PALINDROME :**

string=input("enter a string :")

if (string==string[::-1]):

print("you entered a palindrome")

else:

print("you entered is not a palindrome")

**OUTPUT:**

enter a string :madam

you entered a palindrome

**2.REVERSING A STRING:**

string1=input("enter a string:")

str=""

for i in string1:

str=i+str

print("the reversed string is:",str)

**OUTPUT:**

enter a string:python

the reversed string is: nohtyp

**3.LENGTH OF STRING:**

string=input("enter a string:")

count=0

for i in string:

count=count+1

print("the length of string is")

print(count)

**OUTPUT:**

enter a string:python

the length of string is

6

**4.STRING AFTER REPLACING VOWEL CHARACTER:**

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@