**PROGRAMS ON STRING**

**1.PYTHON PROGRAM TO CHECK THE INPUT STRING IS PALINDROME:**

**CODE:**

string=input("enter a string")

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

print("the string is a palindrome")

else:

print("the sring is not a palindrome")

**OUTPUT:**

enter a stringmurugeshwari

the sring is not a palindrome

**2.REVERSING THE STRING:**

**CODE:**

def reverse(str):

str=str[::-1]

return str

str="murugeshwari"

print(reverse(str))

**OUTPUT:**

irawhsegurum

**3.FIND THE LENGTH OF THE STRING:**

**CODE:**

s=input("enter a string")

print(s)

number=0

for i in s:

number+=1

print("the length of the string",number)

**OUTPUT:**

enter a stringmurugeshwari

murugeshwari

the length of the string 12

**4.WRITE A PROGRAM THAT ACCEPT A STRING FROM THE USER AND DISPLAY THE STRING AFTER REPLACING THE VOWEL CHARACTER WITH@:**

**CODE:**

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:murugeshwari

enter a character to replace all vowels with it:@

Original string = murugeshwari

new string= m@r@g@shw@r@