**EXP NO:6**

**1**)TO CHECK WHETHER THE INPUT IS PALINDROME OR NOT

**CODE:**

s=str(input("enter s:"))

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

print("palindrome:",s)

else:

print("not a palindrome:")

**OUTPUT:**

enter s:malayalam

palindrome: Malayalam

**>>>**

**2)REVERSE THE STRING**

**CODE:**

def reverse(s):

str=""

for i in s:

str=i+str

return str

s=str(input("enter a string:"))

print("reversed string:",reverse(s))

**OUTPUT:**

enter a string:dharani

reversed string: inarahd

**>>>**

**3)FIND THE LENGTH OF THE STRING**

**CODE:**

def length(string):

count=0

for i in string:

count+=1

print(count)

ch=str(input("enter a character:"))

length(ch)

**OUTPUT:**

enter a character:dharani

7

**4)WRITE A PROGRAM THAT ACCEPTS A STRING FROM THE USER TO DISPLAY THE STRING AFTER REPLACING THE VOWL CHARACTERS.**

**CODE:**

str=str(input("enter a string:"))

newstr=""

for ch in str:

if ch=='A' or ch=='E' or ch=='I' or ch=='O' or ch=='U':

newstr+='@'

elif ch=='a' or ch=='e' or ch=='i' or ch=='o' or ch=='u':

newstr+='@'

else:

newstr+=ch

print(newstr)

**OUTPUT:**

enter a string:ENGINEERING

@NG@N@@R@NG