**EXP NO : 6) PROGRAMS ON STRINGS**

1. Python program to check whether the input string is palindrome

**SOURCE CODE:**

#python pgm to find palindrome or not

def palindrome(string):

str1 = string[::-1]

if str1==string:

print("The given string is PALINDROME")

else:

print("The given string is NOT a PALINDROME")

s = str(input("Enter the string:"))

palindrome(s)

**OUTPUT:**

Enter the string:MALAYALAM

The given string is PALINDROME

1. Reverse the string

**SOURCE CODE:**

#python program to reverse the string

def reverse(string):

str = " "

for i in string:

str = i+str

return str

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

print("The original string is:",s)

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

**OUTPUT:**

Enter a string:BANANA

The original string is: BANANA

the reversed string is: ANANAB

c) find the length of the string

**SOURCE CODE:**

#length of the string

def length(string):

count = 0

for i in string:

count+=1

print(count)

ch = str(input("Enter a string:"))

length(ch)

**OUTPUT:**

Enter a string:PYTHON PROGRAM

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d) write a pgm that accepts a string from user and display the string after replacing the vowel character with ‘@’

**SOURCE CODE:**

#REPLACING VOWELS WITH @

str = input("Enter the 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 the string: ENGINEERING

@NG@N@@R@NG