**PROGRAM ON STRINGS**

**Ex: 6(i) Palindrome**

**Date: 25/01/23**

**AIM**

To find if a given string is palindrome or not.

**CODE**

# perform reverse operation that result will be on the same string

str1=input("Enter a string:")

str2=""

for i in str1:

str2=i+str2

print("Reversed string:",str2)

if(str1==str2):

print("Palindrome")

else:

print("Not palindrome")

**OUTPUT**

MALAYALAM

Palindrome

**Ex: 6(ii) Reverse**

**Date: 25/01/23**

**AIM**

To reverse a given string.

**CODE**

#reversing the string

str1=input("Enter a string:")

str=""

for i in str1:

str=i+str

print("Reversed string:",str)

**OUTPUT**

Hello

Reversed string: olleH

**Ex: 6(iii) Length**

**Date: 25/01/23**

**AIM**

To find the length of a given string.

**CODE**

#length of the string

string = input("Enter input: ")

count = 0

for i in string:

count+=1

print(count)

**OUTPUT**

Hello

5

**Ex: 6(iv) Replace vowel**

**Date: 25/01/23**

**AIM**

To replace vowels with ‘@’.

**CODE**

#replace

def replaceVowelsWithK(test\_str, K):

vowels\_list = ['A', 'E', 'I', 'O', 'U', 'a', 'e', 'i', 'o', 'u']

new\_string = []

string\_list = list(test\_str)

for char in string\_list:

for char2 in vowels\_list:

if char == char2:

new\_string.append('@')

break

else:

new\_string.append(char)

return(''.join(new\_string))

input\_str = ""

K = "#"

input\_str=input("Enter an input: ")

print("Given String:", input\_str)

print("After replacing vowels with the specified character:",replaceVowelsWithK(input\_str,K))

**OUTPUT**

Hello

H@ll@