EX.no:6

1. REVERSE STRING:

PROGRAM:

def reverse(str):

str=str[::-1]

return str

str=input("Enter a string to be reversed:")

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

print("The reverse string is:",reverse(str))

OUTPUT:

Enter a string to be reversed:velammal

The original string is: velammal

The reverse string is: lammalev

2.PALINDROME:

PROGRAM:

string=input("enter a string:")

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

print ("the string is a palindrome")

else :

print ("the string is not a palindrome")

OUTPUT:

enter a string:malayalam

the string is a palindrome

3.LENGTH OF THE STRING:

PROGRAM:

s=input("Enter the string :")

print (s)

number=0

for i in s:

number+=1

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

OUTPUT:

Enter the string :computer science engineering

computer science engineering

the length of the string : 28

4.REPLACE VOWELS WITH “@”

PROGRAM:

str=input("Enter a string =")

newStr = ""

for ch in str :

lch = ch.lower()

if lch == 'a' \

or lch == 'e' \

or lch == 'i' \

or lch == 'o' \

or lch == 'u' :

newStr += '@'

else :

newStr += ch

print(newStr)

OUTPUT:

Enter a string =harshini gowshik

h@rsh@n@ g@wsh@k

PRACTICE PROBLEM:

a=("velammal college")

b=(" computer science engineering")

print(a.upper())

print(a.replace('college','engineering college '))

print(a.swapcase())

print(a.isupper())

print(b.upper())

print(b.capitalize())

print(b.islower())

OUTPUT:

VELAMMAL COLLEGE

velammal engineering college

VELAMMAL COLLEGE

False

COMPUTER SCIENCE ENGINEERING

computer science engineering

True