1.Python program to check whether the entered string is palindrome or not

CODE:

a=input("Enter a string:")

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

print("The string is a palindrome")

else:

print("The string is not a palindrome")

OUTPUT:

Enter a string:madam

The string is a palindrome

2.Reversing a string

CODE:

s=input("Enter a string:")

str=""

for i in s:

str=i+str

print(str)

OUTPUT:

Enter a string:welcome

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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 is",number)

OUTPUT:

Enter a string:welcome

welcome

The length of the string is 7

4.Write a python code that accepts a string form the user and display the string after replacing the vowel character with the symbol ‘@’

CODE:

str = input("Enter a string:")

char = input("Enter a character to replace all the vowels with it")

newstr = ""

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

number=0

for i in str:

number+=1

print(number)

for i in range(number):

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:HARIHARAPRIYA

Enter a character to replace all the vowels with it@

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Original String = HARIHARAPRIYA

New String = H@R@H@R@PR@Y@

5. Practice problems

CODE:

str1="hariharapriya"

str2="is a good girl"

str3=str1.capitalize()

print(str3)

str4=str1.upper()

print(str4)

newstr=str2.replace('girl','student')

print(newstr)

a=str1.isupper()

print(a)

b=str2.islower()

print(b)

c=str2.split()

print(c)

OUTPUT:

Hariharapriya

HARIHARAPRIYA

is a good student

false

true

[‘is’,’a’,’good’,’girl’]