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

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:priyanka

The string is not a palindrome

1. Reversing the string:

def reverse(str):

str=str[::-1]

return str

str="priyanka"

print(reverse(str))

output:

aknayirp

1. Find the length of the string:

s=input("Enter a string:")

print(s)

number=0

for i in s:

number+=1

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

output:

Enter a string:priyanka

priyanka

The length of the string 8

1. Write a program that accept a string from the user and display the string after replacing the vowel character with @:

print("Enter a string:",end="")

str=input()

print("Enter a character to replace all vowels with it:",end="")

char=input()

newstr=""

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

for i in range(len(str)):

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:priyanka

Enter a character to replace all vowels with it:@

original string = priyanka

new string= pr@y@nk@