PROGRAM:

n=int(input("enter the number:"))

num=n

sum=0

while(n>0):

a=n%10

sum=sum\*10+a

n=n//10

if(sum==num):

print("the given input is palindrome")

else:

print("the given input is not palindrome")

OUTPUT:

enter the number:12345

54321

PROGRAM:

string=input("enter the string:")

count=0

for i in string:

count+=1

print(count)

OUTPUT:

enter the string:shreevarshini

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PROGRAM:

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:orange

the original string is: orange

the reversed string is: egnaro

str=input("enter 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)

enter string:as

@s