**Program;**

def palindrome():

word=input('enter a word;')

word2=word[::-1]

if(word==word2):

print('It is palindrome',word2)

else:

print('It is a non palindrome',word2)

palindrome()

**output;**

enter a word;mam

It is palindrome mam

Enter a word;arun

It is a non palindrome arun

**Program ;**

def reverse\_word():

a=input('enter a word;')

b=a[::-1]

print('reversing a word',b)

reverse\_word()

**output;**

enter a word;arun

reversing a word nura

**program;**

def str\_len(s):

l=0

for i in s:

l+=1

return l

str1=input('Enter a string : ')

print(str\_len(str1))

**output;**

Enter a string : arun kumar

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**program;**

str1=(input('enter a string:'))

str2=' '

for i in str1:

if(i=='a'or i=='e'or i=='i'or i=='o'or i=='u'or i=='A'or i=='E'or i=='O'or i=='U'):

str2+='@'

else:

str2+=i

print(str2)

**output;**

enter a string:arun kumar

@r@n k@m@r