INPUT

#WAP to input a string check whether it is palindrome number or not(Ripunjay,Manasvi)

s = input("Enter a Word : ")

n = s[::-1]

if s == n :

print(s,"IS A PALINDROME")

else:

print(s,"IS NOT A PALINDROME")

OUTPUT

Enter a Word : Manasvi

Manasvi IS NOT A PALINDROME

Enter a Word : RAR

RAR IS A PALINDROME

INPUT

#WAP to a input a string and print number of upper and lower case vowels(Ripunjay,Manasvi)

s = input("Enter a Word : ")

uc = lc = 0

for i in s:

if i in"AEIOU":

uc +=1

elif i in "aeiou":

lc+=1

print("Number of upper case vowels in",s,"=",uc)

print("Number of lower case vowels in",s,"=",lc)

OUTPUT

Enter a Word : Python is a Easy language

Number of upper case vowels in Python is a Easy language = 1

Number of lower case vowels in Python is a Easy language = 8

INPUT

#WAP to input a string, capitalize every alternate character in a string(Ripunjay,Manasvi)

s =input("enter a word : ")

length = len(s)

r =" "

for i in range(0,length,2):

r += s[i]

if i < (length - 1):

r +=s[i+1].upper()

print("new word: ",r)

OUTPUT

enter a word : wonderful

new word: wOnDeRfUl

INPUT

#WAP to input a string, find number of occurrences of a given substring in a line(Ripunjay,Manasvi)

s = input("enter a phrase: ")

n = input("enter a word from the phrase: ")

length1 = len(s)

length2 = len(n)

start = count = 0

end = length1

while True:

pos = s.find(n,start,end)

if pos!= 1:

count += 1

start = pos+length2

else:

break

if start>=length1:

break

print("no. of occurences of",n,":",count)

OUTPUT

enter a phrase: The CEO of google is sundar pichai

enter a word from the phrase: i

no. of occurences of i : 3

INPUT

#WAP to input a string and print in the reverse and decreasing order(Ripunjay,Manasvi)

s = input("Enter a Word : ")

r = " "

n = s[::1]

for i in n:

r += i

print(r)

OUTPUT

Enter a Word : hello

h

he

hel

hell

hello