a = input("Enter the string  :")

b = input("term to be replaced :")

c = input("new term :")

b = b.strip()

c = c.strip()

a = a.replace(b,c)

print("\n",a)

fixed = [2000,500,200,100,50,10,5,2,1]

amount = int(input("Enter the amount :"))

notes = 0

for i in fixed:

    notes = amount//i

    amount = amount%i

    print(i,":",notes)

vowels =[]

get = input()

dict {}

for i in vowels:

dict[i] = get.count(i)

print(dict)

new = int(input("Enter the range :"))

print("\nThe prime numbers are :")

for i in range(2,new+1):

    count = 0

    for j in range(2,i+1):

        if(i%j==0):

            count+=1

    if(count==1):

        print(i)

print("Permutation")

def perm(lst):

    result = []

    if len(lst)==1:

        return[lst[:]]

    for i in range(len(lst)):

        n = len.pop(0)

        perms = perm(lst)

        for j in perms:

            j.append(n)

            result.extend(perm)

            lst.append(n)

a = int(input("Enter the number of values :"))

li =[]

for \_ in range(a):

    li.append(input("ENTER THE VALUES :"))

    li.sort()

    print(li)

# Write a sentence to a text file

sentence = input("ENTER THE SENTENCE :\n")

# Write the sentence to a file

with open("input.txt", "w") as file:

    file.write(sentence)

# Read the contents of the file

with open("input.txt", "r") as file:

    contents = file.read()

# Copy the contents to another file

with open("output.txt", "w") as file:

    file.write(contents)

print("Sentence copied to 'output.txt' file.")

get = int(input("Enter the number"))

for i in range (1,get):

    if i<=5:

        print(i\*i)

    elif i>=25 and i<=31:

        print(i\*i)

    else:

        continue

dict = {

    "name" : "Ferrari",

    "model" : "2020",

    "owner" : "vijay"

 }

dict1 = {

    "name" : "suzuki",

    "model" : "2020",

    "nanban" : "ramesh"

 }

for i in dict:

    if i in dict1:

        print(dict1[i])

t1 = [(5, 6), (8, 5), (9, 6)]

for i in t1:

    \_sum = sum(i)  # Calculate the sum of elements within each tuple

    print(\_sum)    # Print the sum for each tuple

import random

random.seed(20)

for i in range(10):

    print(random.random())

import numpy as np

arr1 = [1,2,3]

arr2 = [1,2,3]

res = np.add(arr1,arr2)

print()

print("sum of array :",res)

print()

print("sum of elements of array :", np.sum(arr1))

print()

mat1 = [[1,2,3],[1,2,3]]

print("sqrt of two dimensional array : ")

print(np.sqrt(mat1))

print()

print("sum of each colum of 2d array")

print(np.add(mat1,mat1))

print("sum of each row of the 2d array")

for i in mat1:

    print(np.sum(i))

print()

print("Transpose value :", np.transpose(mat1))

print()