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**Program 1**

t=input("Enter a string ")

for x in t:

    print(x,end="")

print()

**Output for program 1**

Enter a string hello world

hello world

**Program 2**

count=0

s=input("Enter a string ")

ch=input("Enter character u want  to count ")

for x in s:

    if x==ch:

        count=count+1

print(ch,"is present",count,"times")

**Output for program 2**

Enter a string hellooo woorld

Enter character u want to count o

o is present 5 times

**Program 3**

s=input("Enter a string ")

l=0

h=len(s)-1

fl=0

while l<=h:

    if s[l]!=s[h]:

       fl=1

       break

    l=l+1

    h=h-1

if fl==0:

    print(s,"is palindrome")

else:

    print(s,"is not palindrome")

**Output for program 3**

Enter a string vovov vovov

vovov vovov is palindrome

**Program 4**

s=input("Enter a sentence ")

sp=0

v=0

c=0

p=0

for x in s:

    if ((x>='A' and x<='Z') or (x>='a' and x<='z')):

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

            v=v+1

            continue

        else:

            c=c+1

            continue

    if x>='0' and x<='9':

        continue

    if x==' ':

        sp=sp+1

        continue

    p=p+1

word=0

t=0

infinite=1

lel=0

i=0

while infinite==1:

    x=s[i]

    fl=0

    if (((x>='A' and x<='Z') or (x>='a' and x<='z')) and i<len(s)):

        word=word+1

        fl=1

        while (((x>='A' and x<='Z') or (x>='a' and x<='z')) and i<len(s)):

            i=i+1

            if(i<len(s)):

                x=s[i]

    if fl==0:

        i+=1

    if(i==len(s)):

        break

print('Number of words are',word)

print('Number of vowels are',v)

print('Number of consonants are',c)

print('Number of punctuations are',p)

**Output for program 4**

Enter a sentence fg67() dfgioo ; vn7 u

Number of words are 4

Number of vowels are 4

Number of consonants are 7

Number of punctuations are 3

**Program 5**

s=input("Enter a sentence ")

new=""

list = s.split(" ")

for i in range(len(list)-1):

    if list[i]!=list[i+1]:

        new+=list[i]+" "

    i=i+1

print(new+list[len(list)-1])

**Output for program 5**

Enter a sentence hi hi hello hello world hi

hi hello world hi