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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