

(1) Python program to count the occurrences of character in a given string.

```
In [3]: str1 = input("enter the string :")
check = input("enter string to check in main string :")
print(str1.count(check))
```

```
enter the string :hello world
enter string to check in main string :o
2
```

(2) Python program to count character frequency in a string.

```
In [1]: str1 = input("enter the string :")
check = input("enter string to check in main string :")
print(str1.count(check))
```

```
enter the string :iamkrishna
enter string to check in main string :a
2
```

(3) Python program to calculate the length of a string.

```
In [2]: n = str(input("enter the string : "))
counter = 0
for s in n:
    counter +=1
print("Length of the input string is:", counter)
```

```
enter the string : krishna
Length of the input string is: 7
```

(4) python program to count total number of words in string.

```
In [4]: n = str(input("enter the string : "))
counter = 0
for s in n:
    counter +=1
print("total words the input string is:", counter)
```

```
enter the string : krishnaishgood
total words the input string is: 13
```

(5) python program to count vowels and consonants in a string.

```
In [14]: str = input("enter the string:")
vcount = 0
ccount = 0
for i in range(0,len(str)):
    if str[i] in ('a','e','i','o','u'):
        vcount +=1
    elif(str[i]>='a'and str[i]<='z'):
        ccount += 1

print("vowel is:",vcount)
print("con. is:",ccount)
```

```
enter the string:krishna
vowel is: 2
con. is: 5
```

(6) python program to count alphabets digit and special character in string.

```
In [17]: str = input("enter the string:")
alph = 0
digit = 0
spechar = 0
for i in range(0,len(str)):
    if (str[i]>='a'and str[i]<='z'):
        alph +=1
    elif(str[i]>='0'and str[i]<='9'):
        digit += 1
    elif("/"," ",",","!"):
        spechar +=1

print("alpha is:",alph)
print("digit is:",digit)
print("spe char is:",spechar)
```

```
enter the string:krishna!47
alpha is: 7
digit is: 2
spe char is: 1
```

(7) python program to check palindrome or not.

```
In [18]: str1 = input("enter the string:")
k = ""
for i in str1:
    k = i + k
if(str1==k):
    print("yes")
else:
    print("no")
```

enter the string:malayalam
yes

(8) python program to print first occurrence of a character in string.

```
In [28]: str1 = input("enter the string:")
print(str1[0:1])
```

enter the string:krish
k

(9) python program to print last occurrence of a character in string.

```
In [29]: str1 = input("enter the string:")
print(str1[len(str1)-1])
```

enter the string:krish
h

(10) python program to replace blank space with hyphen in a string.

```
In [27]: str1 = input("enter the string:")
str2 = str1.replace(" ", "_")
print(str2)
```

enter the string:krishna
_k_r_i_s_h_n_a_

(11) python program to replace character in string.

```
In [23]: str1 = "krishna is wrong"
x = str1.replace("wrong","right")
print(x)
```

krishna is right

(12) python program to remove odd index character in string.

```
In [24]: str1 = input("enter the string:")
str2 = ""
for i in range(len(str1)):
    if i%2==0:
        str2 += str[i]
print("string is:",str2)
```

enter the string:krishna
string is: kiha

(16) python program to reverse string.

```
In [25]: str1 = input("enter the string:")
str2 = ""
for i in str1:
    str2 = i + str2
print(str2)
```

enter the string:krish
hsirk

(17) python program to toggle character case in string.

```
In [26]: str1 = input("enter the string:")
str2 = str1.swapcase()
print(str2)
```

enter the string:krishna
KRISHNA