



(<https://www.darshan.ac.in/>)

Python Programming - 2101CS405

Lab - 4

String

01) WAP to check given string is palindrome or not.

```
In [2]: a = input("Enter String:");  
c = a[::-1]  
if a==c:  
    print("palindrome")  
else:  
    print("Not palindrom")
```

Enter String:131
palindrome

02) WAP to reverse the words in given string.

```
In [3]: a = input("Enter String:")  
c = a[::-1]  
c
```

Enter String:devika khunt

Out[3]: 'tnuhk akived'

03) WAP to remove ith character from given string

```
In [6]: a = input("Enter String:");  
removech = int(input("Enter position u want remove"))  
for i in range(0,len(a)+1):  
    if i == removech:  
        a = a.replace(a[i],'',1)  
print(a)
```

Enter String:darshan
Enter position u want remove2
dashan

04) WAP to find length of String without using len function.

```
In [14]: a = input("Enter String:")  
count = 0  
for i in a:  
    count+=1  
print(count)
```

Enter String:darshba
7

05) WAP to print even length word in string.

```
In [16]: a = input("Enter String:");
x = a.split()
for i in x:
    if len(i)%2==0:
        print(i)
```

Enter String:python devika
python
devika

06) WAP to count numbers of vowels in given string.

```
In [17]: a = input("Enter String:")
count = 0
for i in a:
    if i == 'a' or i == 'e' or i == 'o' or i == 'u' or i == 'i':
        count+=1;
count
```

Enter String:devika khunt darshan

Out[17]: 6

07) WAP to convert given array to string.

```
In [44]: a = []
con = ""
for i in range(0,5):
    i = input("Enter String:")
    a.append(i)
c = " ".join(a)
print(c)
```

Enter String:devika
Enter String:ashokbhai
Enter String:khunt
Enter String:since
Enter String:2003
devika ashokbhai khunt since 2003
devikaashokbhaikhuntsince 2003

01) WAP to find out duplicate characters in given string.

```
In [5]: str = input("Enter a string : ")
temp,count="",0

print("characters : ",end=" ")
for i in str:
    if(temp.find(i)==-1):
        for j in str[str.index(i)+1:]:
            if(i==j):
                temp+=i
                count+=1
    if count>0:
        print(i,end=",")
    count=0
```

Enter a string : Devvikkka
characters : v,k,

02) WAP to capitalize the first and last character of each word in a string.

```
In [4]: str = input("Enter a string : ")
list = str.split(" ")
for i in list:
    print(i[0:1].title()+i[1:len(i)-1]+(i[len(i)-1].title() if(len(i)>1) else "" ),end=" ")
```

Enter a string : I am
I AM

03) WAP to find Maximum frequency character in String.

```
In [3]: a = input("Enter String:")
b = ''
count = 0

for i in a:
    if(b.find(i) == -1):
        b += i
    else:
        print(i)
        count+=1
#     print(count)
```

Enter String:devvikka

v

k

k

04) WAP to find Minimum frequency character in String.

In []:

05) WAP to check if a given string is binary string or not

```
In [7]: str = input("Enter a string : ")
for i in str:
    if not(i=='1' or i=='0'):
        print(f"{str} is not binary string")
        break
else:
    print(f"{str} is binary string")
```

Enter a string : aabbb110011

aabbb110011 is not binary string

In []: