

PYTHON PROGRAMS ON STRINGS

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1] Toggle each character in string

→ Program -

```
String = input("Enter the string")
```

```
S1 = Str ( )
```

```
for i in String:
```

```
    if i.isupper():
```

```
        i = i.lower()
```

```
        S1 = S1 + i
```

Notes PDF

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```
    else
```

```
        i = i.upper()
```

```
        S1 = S1 + i
```

```
print (String + 'after change' + S1)
```

OUTPUT

Enter the String: GUPDab

GUPDab after change gUddAB

2) Count the number of vowels in string

Program -

```
String = input("Enter the string")
```

```
Count = 0
```

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```
String = String.lower()
```

```
for i in String:
```

```
    if i=='a' or i=='e' or i=='i' or  
        i=='o' or i=='u':
```

```
        Count+=1
```

```
if count == 0:
```

```
    print("No vowels")
```

```
else:
```

```
    print("Total vowels are: 'str(count)")
```

OUTPUT

Enter the String.

Total vowels are 3

3. Check if given string is pallindrome or not

→

```
i_string = 'civic'
```

```
rev = i_string[::-1]
```

```
if i_string == rev:
```

```
    print (rev + "is pallindrome")
```

```
else:
```

```
    print (rev + "is not pallindrome")
```

OUTPUT

Civic is Pallindrome

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4. Count the Sum of Numbers on strings

→ String = input('Enter the String')
Sum = 0

for i in string:

if ord(i) >= 48 and ord(i) <= 57:

Sum = Sum + int(i)

print('Sum is :', str(Sum))

OUTPUT

Enter the alphanumeric string: Dayal23Ben
Sum is : 21

5. Check if two strings are Anagram or not.

→ S1 = 'listen'

S2 = 'Silent'

S1 = sorted(S1.lower())

S2 = sorted(S2.lower())

if S1 == S2:

print('String are anagram')

else

print('String are not anagram')

OUTPUT

S1 after sorting = ['e', 'i', 'l', 'n']

S2 after sorting = ['e', 'i', 'l', 'n']

Strings are anagram.

6. Calculate Frequency of a Characters in a String.

```
→ String = 'Yolo Life'
for i in string:
    frequency = String.count(i)
    print (String(i) + ":" + str(frequency),
          end = ", ")
```

OUTPUT

Y : 1 , O : 2 , L : 1 , E : 2 , I : 1

7. Replace a Substring in a string.

```
→ String = input("Enter String")
Str1 = input("Enter Substring")
Str2 = input("Enter Substring")
String = String.replace(Str1, Str2)
print('String after replacement')
print(String)
```

Output

Enter String

Prepdo

Enter Substring do

Enter Substring in

String after replacement

Prepin

8) Remove Spaces from a String.



```
String = input('Enter the String')  
String = "".join(String.split())  
print ("After removing spaces:"  
String)
```

Output :

Enter the String : Preplink is fab

After removing Spaces: Preplinkisfab

C, Cpp, python, java, Sql

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on Telegram.

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