

Python Module-3 Assignment-2

1:Write a python program to calculate the length of the string

In [2]:

```
a=input("Enter a string:")
print("Length of string:",len(a))
```

Enter a string:saketh
Length of string: 6

2:Write a python program to calculate number of characters in a string

In [6]:

```
input_string=input("Enter a string:")
frequency_table = {}
for char in input_string:
    frequency_table[char] = frequency_table.get(char, 0) + 1
print ("Character frequency table for '{}' is :\n {}".format(input_string, str(frequency_table)))
```

Enter a string:python programming
Character frequency table for 'python programming' is :
{'p': 2, 'y': 1, 't': 1, 'h': 1, 'o': 2, 'n': 2, ' ': 1, 'r': 2, 'g': 2, 'a': 1, 'm': 2, 'i': 1}

3:Write a python program to get a single string from given two strings,seperated by a space and swap the first two characters of string

In [9]:

```
a1=input("Enter first string:")
a2=input("Enter second string:")
l1=len(a1)
l2=len(a2)
b1=a2[0:2]+a1[2:l1]
b2=a1[0:2]+a2[2:l2]
c=b1+' '+b2
print(c)
```

Enter first string:abc
Enter second string:xyz
xyc abz

4:Write a python program to take input from user and print the input in both upper case and lower case

In [13]:

```
a=input("Enter a string")
print("Entered string in upper case:",a.upper())
print("Entered string in lower case:",a.lower())
```

Enter a stringKambam Saketh
Entered string in upper case: KAMBAM SAKETH
Entered string in lower case: kambam saketh

5:Write a python program to remove new line in python

In [15]:

```
list=["a\nb", "c\nd", "e\nf"]
print("The original list:",list)
```

```
re=[]
for i in list:
    re.append(i.replace("\n",""))
print("List after newline character removal:",re)
```

The original list: ['a\nb', 'c\nd', 'e\nf']
 List after newline character removal: ['ab', 'cd', 'ef']

6:Write a python program to count no.of occurrences of substring in a main string

In [19]:

```
a=input("Enter a string:")
b=input("Enter substring:")
print("Occurrence of substring in main string:",a.count(b))
```

Enter a string:abc bcd
 Enter substring:bc
 Occurrence of substring in main string: 2

7:Write a python program to convert a string in a list

In [26]:

```
a=input("Enter a string to convert into list:")
print(a.split(" "))
```

Enter a string to convert into list:My name is Kambam Saketh
 ['My', 'name', 'is', 'Kambam', 'Saketh']

8:Write a python program to perform deletion of character

In [28]:

```
a=input("Enter a string:")
b=input("Enter a character to delete:")
c=""
for i in a:
    if i==b:
        continue
    else:
        c=c+i
print("After deleting a character:",c)
```

Enter a string:pythonc
 Enter a character to delete:c
 After deleting a character: python

9:Write a python program to print every character entered by user in a newline using loop

In [29]:

```
a=input("Enter a string:")
for i in a:
    print(i)
```

Enter a string:Saketh
 S
 a
 k
 e
 t
 h

10:Write a python program to find the length of string "refrigerator" without using len function

In [30]:

```
a="refrigerator"  
count=0  
for i in a:  
    count+=1  
print("No.of characters in string:",count)
```

No.of characters in string: 12

In []: