

Q. Write a Python function to sum all the numbers in a list.

Sample List : (8, 2, 3, 0, 7)

Expected Output : 20

```
In [10]: l = int(input("Enter the length of list :"))
sum_list = []
for j in range(l):
    sum_list.append(int(input()))
total_list = 0
for i in sum_list:
    total_list += i
print(f"sum of list is {total_list}")
```

Enter the length of list :5

8

2

3

0

7

sum of list is 20

Q. Write a Python program to reverse a string.

Sample String : "1234abcd"

Expected Output : "dcba4321"

```
In [22]: string = input("Enter string to reverse :")
x= string[::-1]
print ("Reversed String :",x)
```

Enter string to reverse :1234abcd

Reversed String : dcba4321

Q. Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.

Sample String : 'The quick Brow Fox'

Expected Output :

No. of Upper case characters : 3

No. of Lower case Characters : 12

```
In [23]: string = input("Enter string to check uppercase and lowercase:")
upper = 0
lower = 0
for i in string:
    if(i>='A' and i<='Z'):
        upper += 1
    elif (i>='a' and i<='z'):
        lower += 1
    else:
        continue
print(f"string contains {upper} uppercase letters")
print(f"string contains {lower} lowercase letters")
```

Enter string to check uppercase and lowercase:The quick Brow Fox

string contains 3 uppercase letters

string contains 12 lowercase letters

In []: