

## untitled23-1

May 24, 2023

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[1]: #1.to find the sum of elements in python
myList = [1, 2, 3, 4, 5, 6, 7, 8, 9]
print("The given list is:")
print(myList)
list_length=len(myList)
sumOfElements=0
for i in range(list_length):
    sumOfElements=sumOfElements+myList[i]

print("Sum of all the elements in the list is:", sumOfElements)
```

The given list is:  
[1, 2, 3, 4, 5, 6, 7, 8, 9]  
Sum of all the elements in the list is: 45

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[2]: #2.to add a specify element in a list
fruit_list = ["Apple", "Banana"]

print(f'Current Fruits List {fruit_list}')

new_fruit = input("Please enter a fruit name:\n")

fruit_list.append(new_fruit)

print(f'Updated Fruits List {fruit_list}')
```

Current Fruits List ['Apple', 'Banana']  
Please enter a fruit name:  
orange  
Updated Fruits List ['Apple', 'Banana', 'orange']

```
[5]: #3.find the different of two list
list1 = [10, 15, 20, 25, 30, 35, 40]
list2 = [25, 40, 35]

temp3 = []
for element in list1:
    if element not in list2:
```

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temp3.append(element)

print(temp3)
```

[10, 15, 20, 30]

[6]: *#4.to find the positions of minimum and maximum element in a list*  
 gfg\_list = [8, 1, 7, 10, 5]

```
min_ele, max_ele = gfg_list[0], gfg_list[0]

for i in range(1, len(gfg_list)):

    if gfg_list[i] < min_ele:
        min_ele = gfg_list[i]

    if gfg_list[i] > max_ele:
        max_ele = gfg_list[i]

print('Minimum Element in the list', gfg_list, 'is', min_ele)

print('Maximum Element in the list', gfg_list, 'is', max_ele)
```

Minimum Element in the list [8, 1, 7, 10, 5] is 1  
 Maximum Element in the list [8, 1, 7, 10, 5] is 10

[19]: *#5.to find the number which are divisible by 3 and 5*

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lst1=[10,20,30,40,50]
lst2=[10,20,35,40,55]
nlst1=[]
nlst2=[]
for i in lst1:
    if i%3==0 and i%5==0:
        nlst1.append(i)
for j in lst2:
    if j%3==0 and j%5==0:
        nlst2.append(i)
print(nlst1)
print(nlst2)
```

[30]

[]

[18]: *#6*

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lst=['abc',123,['cd','e',[49,7,[4],'sh']],90],45]
print(lst[1])
print(lst[2][2][2])
```

123  
[4]

[ ]: