

1. Write a Python program to sum all the items in a list.

```
mylist = []

amount = int(input('Enter number of elements in list: '))

# iterating till num to append elements in list
for i in range(0, amount):
    elemen = int(input('Enter elements: '))
    mylist.append(elemen)
print(mylist)

sum = 0
for ele in range(0, len(mylist)):
    sum = sum + mylist[ele]

# printing total value
print("Sum of all elements in input list: ", sum)
```

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```
import random

randomlist = []
amount = int(input('Enter the number to elements in list: '))

for i in range(0, amount):
    n = random.randint(1,100)
    randomlist.append(n)
print(randomlist)

sum = 0
for ele in range(0, len(randomlist)):
    sum = sum + randomlist[ele]

# printing total value
print("Sum of all elements in random list: ", sum)
```

2. Write a Python program to multiplies all the items in a list.

```
def multiply_list(items):  
    total =1  
    for x in items:  
        total *=x  
    return total  
print(multiply_list([1, 2, -8]))
```

3. Write a Python program to get the largest number from a list.

```
def max_num_in_list(list):  
    max = list[0]  
    for a in list:  
        if a < max:  
            max = a  
    return max  
print(max_num_in_list([1, 2, -8, 0]))
```

4. Write a Python program to get the smallest number from a list.

```
def min_num_in_list(list):  
    min = list[0]  
    for a in list:  
        if a > min:  
            min = a  
    return min  
print(min_num_in_list([1, 2, -8, 0]))
```