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list1 = list(map(int,input("Enter 5 integers: ").strip().split()))
print('Number of items: ', len(list1))
print('4th item: ', list1[3])
print('Last 3 items: ', list1[-3:])
print('Everything but lst 2 items:', list1[2:])
print('Reverse: ', list1[::-1])
print('Largest: ', max(list1), ' Smallest: ', min(list1))
print('Sum: ', sum(list1))

if 0 in list1:
    print('First zero is at: ', list1.index(0))
else:
    print('There are no zeroes in the list')
list1.sort()
print('Sorted list: ', list1)
del list1[0]
print('The list after deleting 1st item:', list1)
list1[-2] = 9876
print('The list after changing second-to-last item as 9867: ', list1)
list1.append(-500)
print('The list after appending -500 to list: ', list1)

Enter 5 integers: 12 4 0 3 2
Number of items: 5
4th item: 3
Last 3 items: [0, 3, 2]
Everything but lst 2 items: [0, 3, 2]
Reverse: [2, 3, 0, 4, 12]
Largest: 12 Smallest: 0
Sum: 21
First zero is at: 2
Sorted list: [0, 2, 3, 4, 12]
The list after deleting 1st item: [2, 3, 4, 12]
The list after changing second-to-last item as 9867: [2, 3, 9876, 12]
The list after appending -500 to list: [2, 3, 9876, 12, -500]

list2 = list(map(int,input("Enter a list of numbers:
").strip().split()))
index = 0
for i in range(len(list2)):
    if list2[i] < list2[index]:
        index = i
print('Smallest item: ', list2[index], 'first occuring at index',
index)

Enter a list of numbers: 24 3 2 13 5 2 3
Smallest item: 2 first occuring at index 2

string1 = input('Enter any string in lowercase: ')
alphabet = 'abcdefghijklmnopqrstuvwxyz'
list3 = []

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for x in alphabet:
    list3.append(string1.count(x))
print(list3)
```

Enter any string in lowercase: quick brown fox jumped over a lazy dog
[2, 1, 1, 2, 2, 1, 1, 0, 1, 1, 1, 1, 1, 1, 4, 1, 1, 2, 0, 0, 2, 1, 1,
1, 1, 1]

```
dict1 = {'abc':7, 'def':11, 'ghi':13, 'jkl':17, 'mno':19}
print(dict1['def'])
print(list(dict1.keys()))
for key in dict1:
    print(key, dict1[key])
if 'prq' in dict1:
    print('Yes')
else:
    print('No')
dict1['abc'] = 23
print(list(dict1.values()))
```

```
11
['abc', 'def', 'ghi', 'jkl', 'mno']
abc 7
def 11
ghi 13
jkl 17
mno 19
No
[23, 11, 13, 17, 19]
```