

110,000,000,000,000,000,000
1.0000
print current number is 1,000,000

Largest number is 99

```
print("Largest number is",sorted(l)[-1])
```

Largest number is 90

```
[12]: l=[10,9,3,56,76,89,98,23]
```

```
l.sort()
```

```
print("second largest number is",sorted(l)[-2])
```

second largest number is 76

```
[ ]:
```

second largest number is 76

```
In [13]: d=[2,2,3,4,5,5,1,1]
print(list(set(d)))
```

[1, 2, 3, 4, 5]

```
In [13]: d=[2,2,3,4,5,5,1,]  
print(list(set(d)))
```

[1, 2, 3, 4, 5]

```
In [14]: list=[1,2,3]  
if list:  
    print("list is not empty")  
else:  
    print("list is empty")
```

list is not empty

```
In [ ]:
```

```
print("list is not empty")
else:
    print("list is empty")
```

list is not empty

```
]: list=["abc","xyz","aba","1221"]
newlist=[]
for i in list:
    if len(i)<4:
        newlist.append(i)
print(newlist)
```

['abc', 'xyz', 'aba']

```
l=[10,20,30,40,50,60,70,80,90]
total=0
i=0
while i<len(l):
    total=total+l[i]
    i=i+1
print("sum of list is",total)
```

sum of list is 450

```
l: l=[10,20,30,40,50,60,70,80,90]
l.sort()
print("largest number is",sorted(l)[-1])
Largest number is 90
```

```
print(newlist)
```

```
[ 'abc', 'xyz', 'abs' ]
```

```
] : l1=[10, 20, 55, 4, 68, 47, 99]
l2=[32, 45, 7, 4, 5, 8, 10, 55]
newl1=l1+l2
newl2=[]
print("union is", newl1)
for i in l1:
    for j in l2:
        if i==j:
            newl2.append(i)
print("intersection is", newl2)
```

```
union is [10, 20, 55, 4, 68, 47, 99, 32, 45, 7, 4, 5, 8, 10,
intersection is [10, 55, 4]
```

```
s1=raw_input("ENTER A STRING : ")
dic={}
for i in s1:
    if i in dic:
        dic[i]=+1
    else:
        dic[i]=-1
print(dic)
```

ENTER A STRING : DERBCK

{'D': 1, 'E': 1, 'R': 1, 'I': 1, 'C': 1, 'K': 1}

ENTER A STRING : DERICK

{'D': 1, 'E': 1, 'R': 1, 'I': 1, 'C': 1, 'K': 1}

```
[29]: str = input("enter a List : ")
if str == str[::-1]:
    print("the List is palindrome")
else:
    print("the List is not palindrome")
```

enter a List : 1,2,3,4,5]

the List is not palindrome

```
] : my_dict={'d':4,'a':1,'e':5,'c':3}
sorted_dic=sorted([(value,key)for(key,value)in my_dict.items()])
print("sorted dict is :")
print(sorted_dic)
```

sorted dict is :
[(1, 'a'), (3, 'c'), (4, 'd'), (5, 'e')]

```
] : |
```