

LISTS

Create a List

```
n=int(input())
a=[]
for i in range(1,n+1):
    a.append(int(input()))
print(a)
```

Largest number in a list

```
n=int(input())
a=[]
for i in range(1,n+1):
    a.append(int(input()))
print(max(a))
```

Odd or Even

```
n=int(input())
a=[]
even=[]
odd=[]
for i in range(1,n+1):
    a.append(int(input()))
print(a)
for i in a:
    if((i%2)==0):
        even.append(i)
    else:
```

```
        odd.append(i)
print("The even list ',even)
print("The odd list ',odd)
```

Array Mean

```
n=int(input())
a=[]
sum=0
for i in range(1,n+1):
    a.append(int(input()))
for i in a:
    sum=sum+i
print(sum/n)
```

Sort the list

```
n1=int(input())
a=[]
for i in range(1,n1+1):
    a.append(int(input()))
n2=int(input())
b=[]
for j in range(1,n2+1):
    b.append(int(input()))
c=[]
c=a+b
print('Sorted list is:',sorted(c))
```

Remove Duplicates

```
n=int(input())  
a=[]  
b=[]  
for i in range(1,n+1):  
    a.append(int(input()))  
for i in a:  
    if i not in b:  
        b.append(i)  
print(b)
```

Second Largest Number

```
n=int(input())  
a=[]  
for i in range(1,n+1):  
    a.append(int(input()))  
b=sorted(a)  
print(b[n-2])
```

Swap the numbers

```
n=int(input())  
a=[]  
for i in range(1,n+1):  
    a.append(int(input()))  
print(a)  
a[0],a[n-1]=a[n-1],a[0]  
print(a)
```