

```
In [1]: #passing a list as argument
def s1(subject):
    for i in subject:
        print(i)
l1 = ["Java","Python","DAA","RM","Android"]
s1(l1)
```

Java  
Python  
DAA  
RM  
Android

```
In [5]: #passing a dictionary as argument
def s1(subject):
    for i in l1.items():
        print(i)
l1 = {1:"Java",2:"Python",3:"DAA",4:"RM",5:"Android"}
s1(l1)
```

(1, 'Java')  
(2, 'Python')  
(3, 'DAA')  
(4, 'RM')  
(5, 'Android')

```
In [6]: #returning list
def get_numbers():
    return [1,2,3,4,5]
l1=get_numbers()
print(l1)
```

[1, 2, 3, 4, 5]

```
In [8]: #returning dictionary
def get_numbers():
    return {1:"A",2:"B",3:"C",4:"D",5:"E"}
d1=get_numbers()
print(d1)
```

{1: 'A', 2: 'B', 3: 'C', 4: 'D', 5: 'E'}

```
In [10]: #searching In operator
l1 = ["Java","Python","DAA","RM","Android"]
if "Python" in l1:
    print("Elements Exists")
else:
    print("Elements not Exists")
```

Elements Exists

```
In [11]: #searching In operator
l1 = ["Java","Python","DAA","RM","Android"]
i = "Python"
if i in l1:
    print("Elements Exists")
else:
    print("Elements not Exists")
```

Elements Exists

```
In [13]: #searching In operator using loop
l1 = ["Java","Python","DAA","RM","Android"]
for i in l1:
    if i=="DAA":
        print("Elements Exists")
```

Elements Exists

```
In [14]: #update multi dimension list
rows,cols = (5,5)
arr = [[0]*cols]*rows
print(arr,"Before")
arr[0][1]
print(arr,"After")
```

[[0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0]] Before  
[[0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0], [0, 0, 0, 0, 0]] After

```
In [18]: #multi dimensional list
l1 = [[45,34,45,32,12],[67,78,56,34,98],[90,23,43,25,22],[45,35,87,45,98]]
print(l1)
print(l1[0])
print(l1[1])
print(l1[2][3])
```

[[45, 34, 45, 32, 12], [67, 78, 56, 34, 98], [90, 23, 43, 25, 22], [45, 35, 87, 45, 98]]  
[45, 34, 45, 32, 12]  
[67, 78, 56, 34, 98]  
25

```
In [19]: #travers every elements of the two dimensional array
l1 = [[45,34,45,32,12],[67,78,56,34,98],[90,23,43,25,22],[45,35,87,45,98]]
for i in l1:
    for j in i:
        print(j,end=" ")
    print()
```

4534453212  
6778563498  
9023432522  
4535874598