

## Lab 3: Program To find intersection of two lists

```
**Program logic**  
1. Define function to find intersection of two lists  
2. Define two lists  
3. Call the function  
4. print the intersection
```

### Defining function intersection\_list()

In [3]:

```
def intersection_list(list1,list2):  
    list3 = [values for values in list1 if values in list2] #One line for loop  
    return list3
```

### Define two list

In [ ]:

```
l1=[1,2,3,4,5,9]  
l2=[1,9,3,78,5]
```

### call the function

In [ ]:

```
l3 = intersection_list(l1,l2)
```

### print intersection of two list

In [ ]:

```
print("Intersection of list 1 :{} and list 2 :{} is ==> {}".format(l1,l2,l3))
```