

Program to find the intersection of two lists

****Program Logic:**

1. define function to find intersection of two lists
2. define 2 list
3. call function
4. print intersection

defining function intersection()

In [1]:

```
def intersection(list1,list2):  
    list=[values for values in l1 if values in l2]           #value is stmt, and re  
    st is for loop and if condition  
    return(list)
```

define two lists

In [2]:

```
l1=[1,2,3,33,28,4]  
l2=[33,2,1]
```

call the function

In [3]:

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

print the intersection of two lists

In [4]:

```
print("Interesection of list1 :{} and list2: {} is {}".format(l1,l2,l3))
```

Interesection of list1 :[1, 2, 3, 33, 28, 4] and list2: [33, 2, 1] is [1, 2, 33]