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 [1]:

```python
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 [13]:

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

call the function

In [14]:

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

print intersection of two list

In [11]:

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

```
Intersection of list 1 :[1, 2, 3, 4, 5, 9] and list 2 :[1, 9, 3, 78, 5] is =
=> [1, 3, 5, 9]
```