**Practical No: 9**

**Aim:** Remove the Duplicate Items from a List

**Course Outcome:** Develop ‘Python’ programs using List, Tuples and Dictionary.

**Requirements: Computer, Python 3.3.34, Vs Code.**

**Theory:**

**Remove duplicates from a list using for-loop**

Using for-loop, we will traverse the list of items to remove duplicates.

First initialize array to empty i.e myFinallist = [].Inside the for-loop, add check if the items in the list exist in the array myFinallist.If the items do not exist, add the item to the array myFinallist using the append() method.

So whenever the duplicate item is encountered it will be already present in the array myFinallist and will not be inserted.

**Flowchart:**

**Program:**

#Write a python program to delete duplicate items inthe list

a = [10,20,30,20,10,50,60,40,80,50,40]

dup\_items = set()

uniq\_items = []

for x in a:

    if x not in dup\_items:

        uniq\_items.append(x)

        dup\_items.add(x)

print(dup\_items)

**Output/Result:**

**{40, 10, 80, 50, 20, 60, 30}**

**Conclusion: Hence we have removed the duplicate items from the list.**