

## Remove Duplicates from a Sorted Array

I/p: l = [10, 20, 20, 30, 30, 30, 30]

size = 7

O/p: l = [10, 20, 30]

size = 3

I/p: l = [10, 10, 10]

size = 3

O/p: l = [10]

size = 1

```
def removeDuplicates(arr, n):
    res = 1
    for i in range(1, n):
        if(arr[res - 1] != arr[i]):
            arr[res] = arr[i]
            res+=1
    return res
```

n = 7

arr = [10, 20, 20, 30, 30, 30, 30]

print(removeDuplicates(arr, n))

```
def removeDuplicates(arr, n):
    temp=[0] * n
    temp[0] = arr[0]
    res = 1
    for i in range(1, n):
        if(temp[res - 1] != arr[i]):
            temp[res] = arr[i]
            res += 1
    for i in range(0, res):
        arr[i] = temp[i]

    return res
```

n = 7

arr = [10, 20, 20, 30, 30, 30, 30]

print(removeDuplicates(arr, n))