## #Exercises 7

```
#Display Array Items
import array
arr = array.array('i', [2, 18, 14])
for element in arr:
  print(element)
#Append a new item
arr = array.array('i', [1, 2, 6, 8, 9])
print("Original array:", arr)
arr.append(11)
print("Append 11 at the end of the array:")
print("New array:", arr)
#Reverse the order
arr = array.array('i', [2, 14, 18, 5, 23, 21,])
print("Original array:", arr)
arr.reverse()
print("Reverse the order of the items:")
print(arr)
#Check for Duplicate Elements
def has_duplicates(arr):
  return len(set(arr)) < len(arr)
arr1 = [1, 2, 3, 4, 5]
arr2 = [1, 2, 3, 3, 4, 5]
arr3 = [1, 1, 2, 2, 3, 3]
print(has_duplicates(arr1))
print(has_duplicates(arr2))
print(has_duplicates(arr3))
```

## **#Find the First Duplicate Element**

```
seen = set()
for element in arr:
    if element in seen:
        return element
    seen.add(element)
    return -1

arr4 = [1, 2, 3, 4, 4, 5]
arr5 = [1, 2, 3, 4, 5]
arr6 = [5, 4, 3, 1, 1]
print(first_duplicate(arr4))
print(first_duplicate(arr5))
print(first_duplicate(arr6))
```

def first duplicate(arr):

