Problem 5: Given an integer array sorted in non-decreasing order, remove the duplicates in place such that each unique element appears only once. The relative order of the elements should be kept the same.

If there are k elements after removing the duplicates, then the first k elements of the array should hold the final result. It does not matter what you leave beyond the first k elements.

```python
def removeDuplicates(arr):
    if len(arr) == 0:
        return 0

    k = 1  # Pointer to keep track of the position of the next unique element

    for i in range(1, len(arr)):
        if arr[i] != arr[k - 1]:
            arr[k] = arr[i]
            k += 1

    return k
arr = [1, 1, 2, 2, 2, 3, 3]
print(removeDuplicates(arr)) # Output: 3
print(arr) # Output: [1, 2, 3, 2, 2, 3, 3]
```

```
18  |

                                    input
3
[1, 2, 3, 2, 2, 3, 3]


...Program finished with exit code 0
Press ENTER to exit console.
```