```java
1  // Author: Aashay Pawar
2  // NUID: 002134382
3
4  package edu.northeastern.csye6200;
5
6  public class LAB3_P3 {
7      public static void main(String[] args) {
8          int[] nums = {1, 1, 2, 3, 3, 4, 5};
9
10         System.out.print("Original nums: [");
11         for (int i = 0; i < nums.length; i++) {
12             System.out.print(nums[i]);
13             if (i < nums.length - 1) {
14                 System.out.print(", ");
15             }
16         }
17         System.out.println("]");
18
19         int uniqueCount = removeDuplicates(nums);
20
21         System.out.print("Final nums: [");
22         for (int i = 0; i < uniqueCount; i++) {
23             System.out.print(nums[i]);
24             if (i < uniqueCount - 1) {
25                 System.out.print(", ");
26             }
27         }
28         System.out.println("]");
29     }
30
31     public static int removeDuplicates(int[] nums) {
32         if (nums == null || nums.length == 0) {
33             return 0;
34         }
35
36         int uniqueCount = 1;
37         int currentIndex = 1;
38
39         for (int i = 1; i < nums.length; i++) {
40             if (nums[i] != nums[i - 1]) {
41                 nums[currentIndex] = nums[i];
42                 currentIndex++;
43                 uniqueCount++;
44             }
45         }
46
47         // Fill remaining elements with zeroes
48         for (int i = uniqueCount; i < nums.length; i++) {
49             nums[i] = 0;
```

```java
50          }
51
52          return nums.length;
53      }
54
55 }
56
57
58
```