# Java Array Assignment Solutions

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1. Find Duplicates in an Array
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import java.util.HashSet;

public class FindDuplicates {
    public static void findDuplicates(int[] arr) {
        HashSet<Integer> seen = new HashSet<>();
        HashSet<Integer> duplicates = new HashSet<>();

        for (int num : arr) {
            if (!seen.add(num)) {
                duplicates.add(num);
            }
        }

        System.out.println("Duplicate elements: " + duplicates);
    }

    public static void main(String[] args) {
        int[] arr = {1, 2, 3, 4, 2, 5, 3, 6, 7, 8, 1};
        findDuplicates(arr);
    }
}

(Other Java programs continue...)
```