

```
import java.io.*;

import java.util.*;

class Day54 {

    // Function to check if two arrays are disjoint
    static boolean areDisjoint(int[] arr1, int[] arr2) {

        // Create a HashSet to store elements of the first array
        Set<Integer> set = new HashSet<>();

        // Add all elements of the first array to the HashSet
        for (int num : arr1) {
            set.add(num);
        }

        // Check if any element of the second array exists in the HashSet
        for (int num : arr2) {
            if (set.contains(num)) {
                return false; // Not disjoint
            }
        }

        return true; // Disjoint
    }

    // Driver code
    public static void main(String[] args) {

        // Example usage
        int[] arr1 = {1, 2, 3, 4, 5};
        int[] arr2 = {6, 7, 8, 9, 10};
    }
}
```

```
if (areDisjoint(arr1, arr2)) {  
    System.out.println("Arrays are disjoint");  
} else {  
    System.out.println("Arrays are not disjoint");  
}  
}  
}
```