

Day 54 coding Statement : Given an integer array of size N. Write Program to find whether Arrays are disjoint or not. Two arrays are said to be disjoint if they have no elements in common.

Sample input 1:

4

2 -4 -1 -3

3

1 3 5

Sample output 1:

Disjoint

Sample input 2:

5

1 5 -7 6 3

4

2 4 6 8

```
import java.util.Scanner;
```

```
public class Program {  
    public static boolean isDisjoint(int arr1[],int arr2[],int n,int m) {  
        boolean flag=true;  
        for(int i=0;i<n;i++) {  
            for(int j=0;j<m;j++) {  
                if(arr1[i]==arr2[j]) {  
                    flag=false;  
                }  
            }  
            if(flag==false) {  
                break;  
            }  
        }  
        return flag;  
    }  
    public static void main(String[] args) {  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter array 1 size");  
        int n=sc.nextInt();  
        System.out.println("Enter array 1 elements");
```

```
int[] arr1=new int[n];
for(int i=0;i<n;i++) {
    arr1[i]=sc.nextInt();
}
System.out.println("Enter array 2 size");
int m=sc.nextInt();
System.out.println("Enter array 2 elements");
int[] arr2=new int[m];
for(int i=0;i<n;i++) {
    arr2[i]=sc.nextInt();
}
System.out.println(isDisjoint(arr1,arr2,n,m));
}
}
```