```java
1 package UnionOfTwoArrays;
2 import java.util.*;
3
4 public class Array {
5
6     public static int[] sumElement(int[] num1, int sumed)
7     {
8         int[] output = Arrays.copyOf(num1, num1.length+1);
9         output[num1.length] = sumed;
10        return output;
11    }
12
13    public static int[] Total(int[] x, int[] y)
14    {
15        int[] rest1 = {};
16        int i=0,j=0;
17
18        while(i<x.length && j<y.length)
19        {
20            if(x[i] < y[j])
21            {
22                rest1 = sumElement(rest1, x[i]);
23                i++;
24            }
25            else if(x[i] == y[j])
26            {
27                rest1 = sumElement(rest1, x[i]);
28                i++;
29                j++;
30            }
31            else
32            {
33                rest1 = sumElement(rest1, y[j]);
34                j++;
35            }
36        }
37        int z;
38        for(z=i;z<x.length;z++)
39        {
40            rest1 = sumElement(rest1, x[z]);
41        }
42        for(z=j; z<y.length; z++)
43        {
44            rest1 = sumElement(rest1, y[z]);
45        }
46        return rest1;
47    }
48
49    public static void main(String args[])
50    {
51        int[] x = {99,600,2,5,50,72,10};
52        int[] y = {3,5,2,10,50,1000,8};
53
54        Array al = new Array();
55
56        Arrays.sort(x);
57        Arrays.sort(y);
```

```
58
59          int[] output = Array.Total(x,y);
60          System.out.println("The result of the union is: " + Arrays.toString(output));
61
62      }
63
64 }
65
```