

Problem 4\Main.java

```
1 public class Main {
2     public static void main(String[] args) {
3         int[] arr = { 5, 2, 8, 3, 1 };
4         int n = arr.length;
5
6         // Find the minimum value
7         System.out.println("Minimum value: " + findmin(arr, n));
8
9         // Find the sum of values
10        System.out.println("Sum of values: " + findsum(arr, n));
11    }
12
13    // Recursive function to find the minimum element in an array
14    public static int findmin(int a[], int n) {
15        if (n == 1) {
16            return a[0]; // If there's only one element, it's the minimum
17        }
18        int minOfRest = findmin(a, n - 1); // Find the minimum of the rest
19        return Math.min(a[n - 1], minOfRest); // Return the smaller of the current element
and the min of the rest
20    }
21
22    // Recursive function to find the sum of elements in an array
23    public static int findsum(int a[], int n) {
24        if (n == 1) {
25            return a[0]; // If there's only one element, its value is the sum
26        }
27        return a[n - 1] + findsum(a, n - 1); // Add the current element to the sum of the
rest
28    }
29
30 }
31
```