https://course.acciojob.com/idle?question=8c8b34c5-be46-4d9c-9a68-51dcc9542b0b

- EASY
- Max Score: 20 Points

Smallest Number in an Array using Recursion

Given an array `arr` of length `n`, you have to find the minimum element present in the array using recursion.

Input Format

First line consists of an integer `n`, the number of elements in the array

Second line consists of `n` spaced inetegrs, representing the array `arr`.

Output Format

Print the minimum element of the array.

Example 1

Input

```
3
1 2 3
```

Output

```
1
```

Explanation

1 is the smallest among 1, 2 and 3.

Example 2

Input

```
5
5 4 0 -8 67
```

Output

```
-8
```

Explanation

-8 is the smallest among 5, 4, 0, -8 and 67

Constraints

1 <= `n` <= 10^3

-10^4 <= `arr[i]` <= 10^4

Topic Tags

- **Recursion**
- **Arrays**

My code

```
// in java
import java.util.*;


public class Main {
```

```
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[] arr = new int[n];
        for (int i = 0; i < n; i++)
            arr[i] = sc.nextInt();
        sc.close();
        System.out.println(recforMin(arr, n));
    }

        public static int recforMin(int[] arr, int n) {
        //Write your code here
                if(n==0)
                        return Integer.MAX_VALUE;
                return Math.min(arr[n-1],recforMin(arr,n-1));
    }
}
```