https://course.acciojob.com/idle?question=fcaaf203-0d9f-441f-955d-7b87d2fbd28a

MEDIUM

Max Score: 40 Points

Minimum Element in Rotated and Sorted Array

Given an array arr which is sorted in ascending order and contains n elements. Also, this array is rotated at some unknown point. The task is to find the minimum element in it.

Input Format

line 1: contains an integer n denoting the size of array.

line 2: contains n separated integers denoting elements of array.

Output Format

Print a single integer denoting the minimum element of the array.

Example 1

Input

10 2 3 4 5 6 7 8 9 10 1

```
Output
```

1

Example 2

```
Input

10

7 8 9 10 3 4 5 6

Output
```

Constraints

```
1 <= n <= 10^5
1 <= arr[i] <= 10^6
```

Topic Tags

Arrays

My code

```
// in java import java.util.*; import java.lang.*; import java.io.*; public class Main {
```

```
public static void main (String[] args) throws
java.lang.Exception
{
    //your code here
    Scanner s=new Scanner(System.in);
    int n=s.nextInt();
    int min=Integer.MAX_VALUE;
    for(int i=0;i<n;i++)
        {
        int t=s.nextInt();
        if(min>t)
        min=t;
     }
     System.out.print(min);
}
```