

<https://course.acciojob.com/idle?question=dae84631-350d-419f-b7b8-cbbc13ce1eff>

● EASY

● Max Score: 20 Points

Index of the target element after sorting

You are given an array `arr` of length `n`. Your task is to print the index of the given target element after sorting the given array `arr`. Assume that the array contains only unique elements.

Input Format

The first line of input contains an integer `n`, size of the array.

The next line contains `n` space separated integers denoting the elements of the array.

The next line contains the target element.

Output Format

The only line of output contains the index of the target element after sorting the array.

Example 1

Input

```
6
6 27 2 3 1 5
5
```

Output

```
3
```

Explanation

We have arr = [6 27 2 3 1 5]

After sorting arr = [1 2 3 5 6 27]

Index of 5 is 3

Example 2

Input

```
7
9 7 19 20 13 1 6
6
```

Output

1

Explanation

Sorted array = [1 6 7 9 13 19 20]

Index of 7 is 1

Constraints

$1 \leq n \leq 10^6$

$0 \leq \text{arr}[i] \leq 10^9$

Topic Tags

My code

```
// n 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 arr[]=new int[n];
        for(int i=0;i<n;i++)
        arr[i]=s.nextInt();
        int m=s.nextInt();
        int c=0;
        for(int i=0;i<n;i++)
        {
            if(arr[i]<m)
                c++;
        }
        System.out.print(c);
    }
}
```