- **EASY**

- **Max Score: 30 Points**

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Find first and last positions of an element in a sorted array

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We are given an unsorted array with a duplicate element and we have to find starting and ending index of the given element inside the sorted array

Input Format

First line contains integer N and integer K.

Second line contains N space separated integers

Output Format

Print both the starting and ending index, if not present then print "-1 -1".

EXAMPLE 1

Input:

```
10 8
1 2 2 2 2 3 4 7 8 8
```

Output::

```
8 9
```

EXPLANATION:

8 is present at index 8 and 9.

EXAMPLE 2

Input:

```
10 6
7 3 2 8 2 2 8 2 2 1
```

Output::

```
-1 -1
```

EXPLANATION:

6 is not present in the array.

CONSTRAINTS

2 <= nums.length <= 10000

0 <= nums[i] <= 100000

Topic Tags

- **Sorting**

My code

// n javaimport java.io.*;
import java.util.*;

//go to leetcode

```java
public class Main {
    public static void main(String args[]) {
        // your code here
            Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
            int k = sc.nextInt();
        int[] arr = new int[n];
        for (int i = 0; i < n; i++)
            arr[i] = sc.nextInt();
            Arrays.sort(arr);
            int l=-1,r=-1;//point left and right pointer
                for (int i = 0; i < n; i++)
                    if(arr[i]==k)
                    {
                        // System.out.print(i+" ");
                        l=i;
                        break;
                    }

            for (int i = 0; i < n; i++)
                if(arr[n-1-i]==k)
                {
                    //System.out.print((n-1-i)+" ");
                    r=n-1-i;
                    break;
                }
            System.out.println(l+" "+r);
    }
}
```