Given an array **arr[]** and an integer **K** where K is smaller than size of array, the task is to find the **Kth smallest** element in the given array. It is given that all array elements are distinct.

**Note** :-  **l** and **r** denotes the **starting** and **ending** index of the array.

**Example 1:**

**Input:**

N = 6

arr[] = 7 10 4 3 20 15

K = 3

**Output :** 7

**Explanation :**

3rd smallest element in the given

array is 7.

**Example 2:**

**Input:**

N = 5

arr[] = 7 10 4 20 15

K = 4

**Output :** 15

**Explanation :**

4th smallest element in the given

array is 15.

**Your Task:**  
You don't have to read input or print anything. Your task is to complete the function **kthSmallest()**which takes the array **arr[]**, integers **l** and **r** denoting the **starting** and **ending** index of the array and an integer **K** as inputand returns the **Kth** smallest element.

**Expected Time Complexity:**O(n)

**Expected Auxiliary Space:**O(log(n))

**Constraints:**  
1 <= N <= 105  
1 <= arr[i] <= 105  
1 <= K <= N