

KthSmallestInput.java



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Output

Clear

```
1 import java.util.Arrays;
2 import java.util.Scanner;
3
4 public class KthSmallestInput {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter array size: ");
9         int n = scanner.nextInt();
10        int[] arr = new int[n];
11
12        System.out.println("Enter " + n + " elements:");
13        for (int i = 0; i < n; i++) {
14            arr[i] = scanner.nextInt();
15        }
16
17        System.out.print("Enter k: ");
18        int k = scanner.nextInt();
19
20        if (k >= 1 && k <= n) {
21            int result = kthSmallest(arr, k);
22            System.out.println(k + "th smallest element: " + result
23                );
23        } else {
24            System.out.println("Invalid k value!");
25        }
}
```

Enter array size: 5

Enter 5 elements:

4

5

8

23

14

Enter k: 5

5th smallest element: 23

== Code Execution Successful ==