CHALLENGE INFORMATION

You have already solved this challenge ! Though you can run the code with different logic !

Course	JAVA	Session	Arrays	Question Information	Level 1 Challenge 39

Problem

Question description

Sean likes to solve the puzzles in a newspaper while he goes to his office. But all of a sudden one day he came across really different question rather than the routine sudoku and jumbled words.

The question was as follows:

Find the Kth largest element in the given array and scan this QR to upload the code you typed and get a chance to enter a lucky draw to win a XBOX Series X

Constraints:

$1 \leq k \leq 1000$

$1 \leq a[i] \leq 1000$

$0 \leq n,i \leq 10^6$

Input Format:

The first line contains positive integer n

Second line contains n Space separated Integers (a[0],a[1],a[2]....a[n-1]).

Third line contains integer k .

Output Format:

Print the Kth Largest Number

Test Cases

Logical Test Cases

Test Case 1

INPUT (STDIN)

```
5
11 22 9 44 1
4
```

EXPECTED OUTPUT

```
9
```

Test Case 2

INPUT (STDIN)

```
5
88 43 93 35 65
2
```

EXPECTED OUTPUT

```
88
```

Mandatory Test Cases

Test Case 1

KEYWORD

```
int[] a=new int[N];
```

Test Case 2

KEYWORD

```
sort
```

Complexity Test Cases

Test Case 1

Test Case 2

Test Case 3

CYCLOMATIC COMPLEXITY	TOKEN COUNT	NLOC
3	160	28

Code Editor

You have already solved this challenge ! Though you can run the code with different logic !

Code Editor | JAVA SE 1.8 | Light Theme

```java
import java.util.*;
public class Class332241010280 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int N = sc.nextInt();
        int[] a=new int[N];
        for (int i = 0; i < N; i++) {
            a[i] = sc.nextInt();
        }
        int k = sc.nextInt();
        Arrays.sort(a);
        int kthLargest = a[N - k];
        System.out.println(kthLargest);
    }
}
```

Custom Input (stdin) | T1 | T2

```
5
11 22 9 44 1
```

Output | MATCH T1 | MATCH T2

```
9
```

Complexity Analysis

Test Case Status