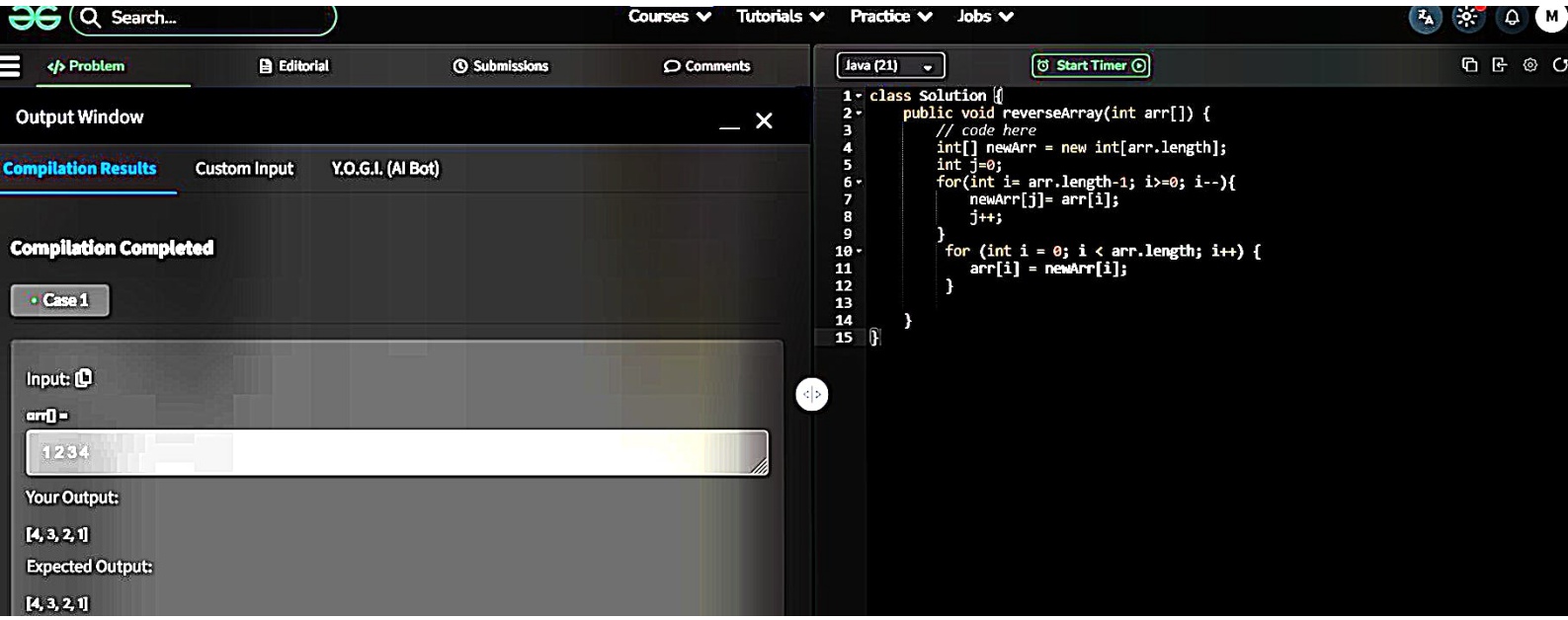
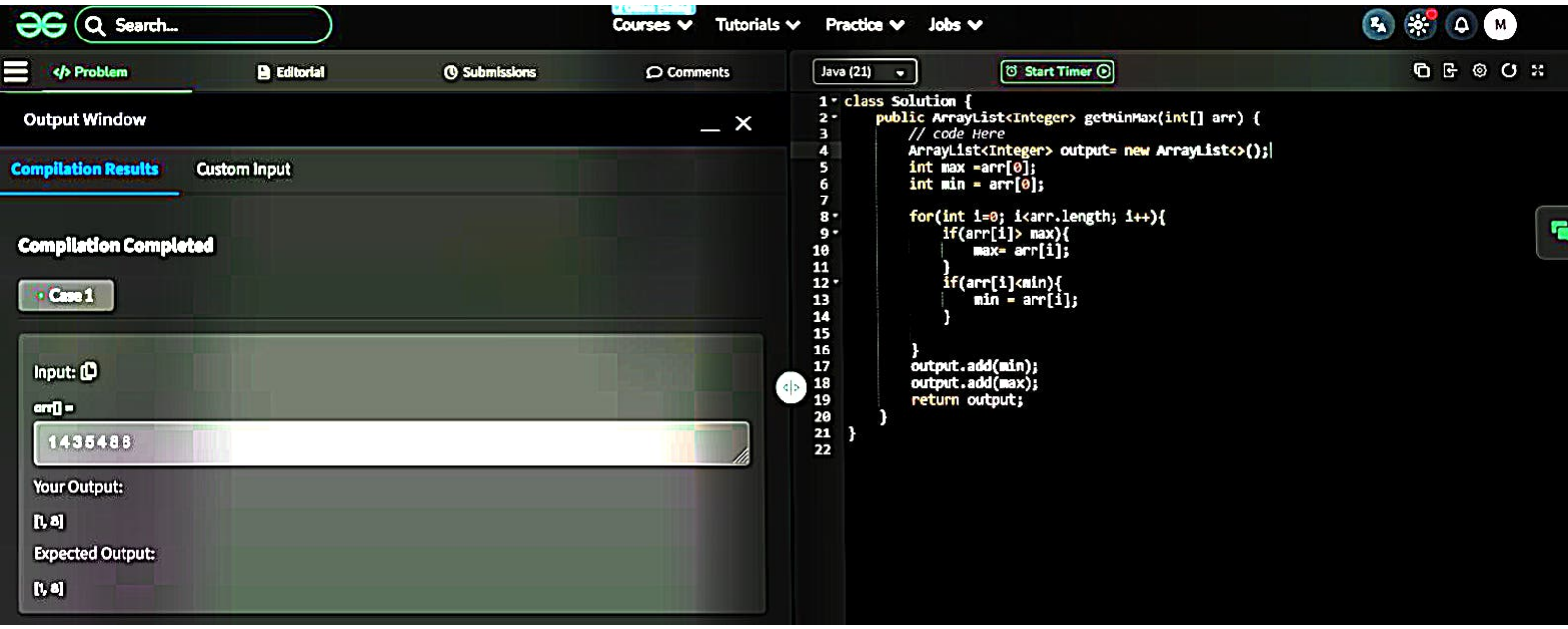
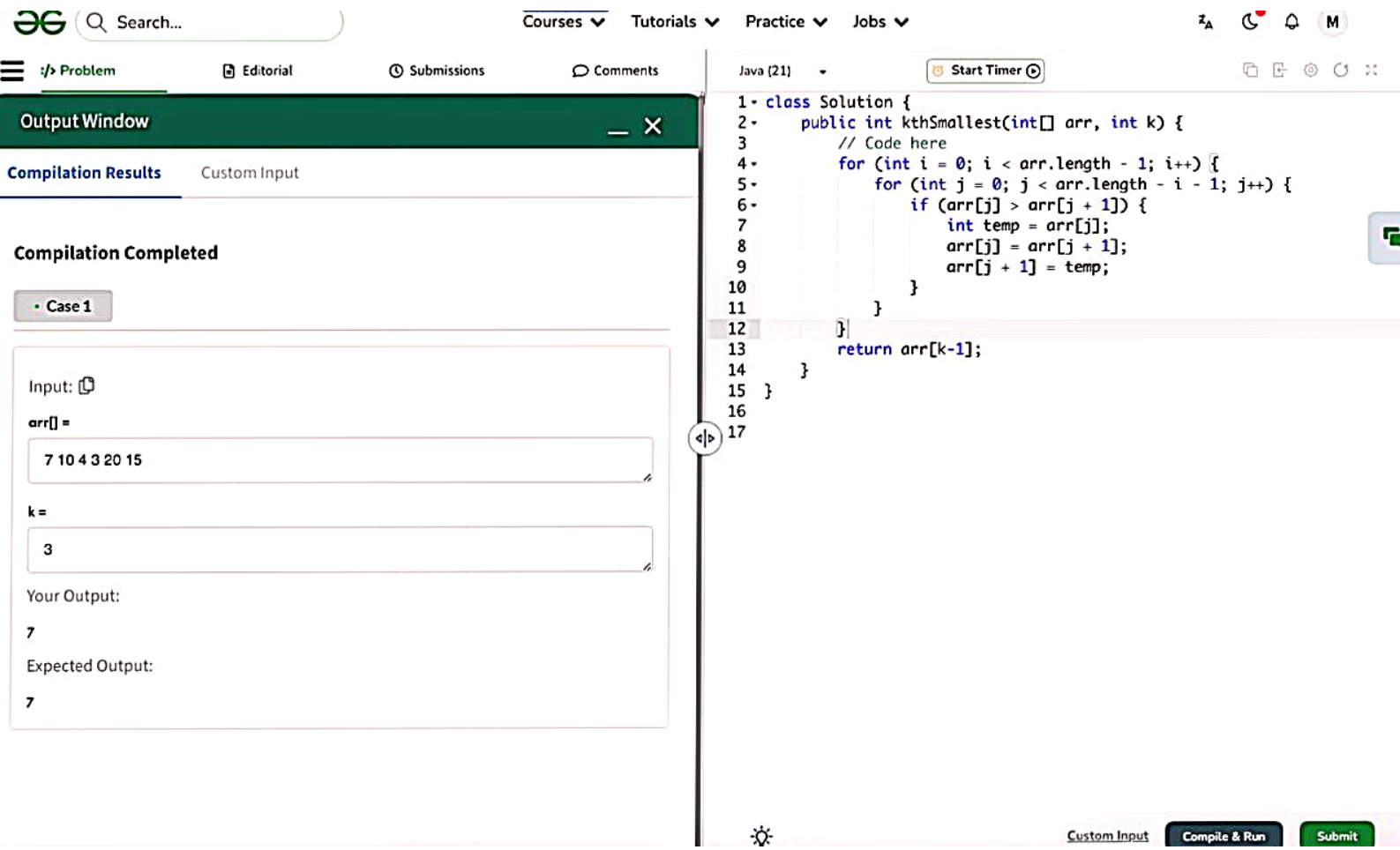

Search...
Courses
Tutorials
Practice
Jobs
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Compilation Completed
Case 1
Input:
arr[] =
1 2 3 4
Your Output:
[4, 3, 2, 1]
Expected Output:
[4, 3, 2, 1]
Java (21)
Start Timer
class Solution {
public void reverseArray(int arr[]) {
// code here
int[] newArr = new int[arr.length];
int j=0;
for(int i= arr.length-1; i>=0; i--){
newArr[j]= arr[i];
j++;
}
for (int i = 0; i < arr.length; i++) {
arr[i] = newArr[i];
}
}
}


Search...
Courses
Tutorials
Practice
Jobs
Problem
Editorial
Submissions
Comments
Java (21)
Start Timer
Output Window
Compilation Results
Custom Input
Compilation Completed
Case 1
Input:
arr[] =
1435488
Your Output:
[1, 8]
Expected Output:
[1, 8]
class Solution {
public ArrayList<Integer> getMinMax(int[] arr) {
// code Here
ArrayList<Integer> output= new ArrayList<>();
int max =arr[0];
int min = arr[0];
for(int i=0; i<arr.length; i++){
if(arr[i]> max){
max= arr[i];
}
if(arr[i]<min){
min = arr[i];
}
}
output.add(min);
output.add(max);
return output;
}
}


Search...
Courses
Tutorials
Practice
Jobs
M
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Compilation Completed
Case 1
Input:
arr[] =
7 10 4 3 20 15
k =
3
Your Output:
7
Expected Output:
7
Java (21)
Start Timer
1 class Solution {
2 public int kthSmallest(int[] arr, int k) {
3 // Code here
4 for (int i = 0; i < arr.length - 1; i++) {
5 for (int j = 0; j < arr.length - i - 1; j++) {
6 if (arr[j] > arr[j + 1]) {
7 int temp = arr[j];
8 arr[j] = arr[j + 1];
9 arr[j + 1] = temp;
10 }
11 }
12 }
13 return arr[k-1];
14 }
15 }
16
17
Custom Input
Compile & Run
Submit

Problem | Editorial | Submissions | Comments

Kth Smallest

Difficulty: **Medium** Accuracy: **35.17%** Submissions: **736K+** Points: **4** Average Time: **25m**

Given an integer array **arr[]** and an integer **k**, your task is to find and return the **k^{th} smallest** element in the given array.

Note: The kth smallest element is determined based on the sorted order of the array.

Examples :

Input: arr[] = [10, 5, 4, 3, 48, 6, 2, 33, 53, 10], k = 4
Output: 5
Explanation: 4th smallest element in the given array is 5.

Input: arr[] = [7, 10, 4, 3, 20, 15], k = 3
Output: 7
Explanation: 3rd smallest element in the given array is 7.

Constraints:

$1 \leq arr.size() \leq 10^5$

$1 \leq arr[i] \leq 10^5$

$1 \leq k \leq arr.size()$

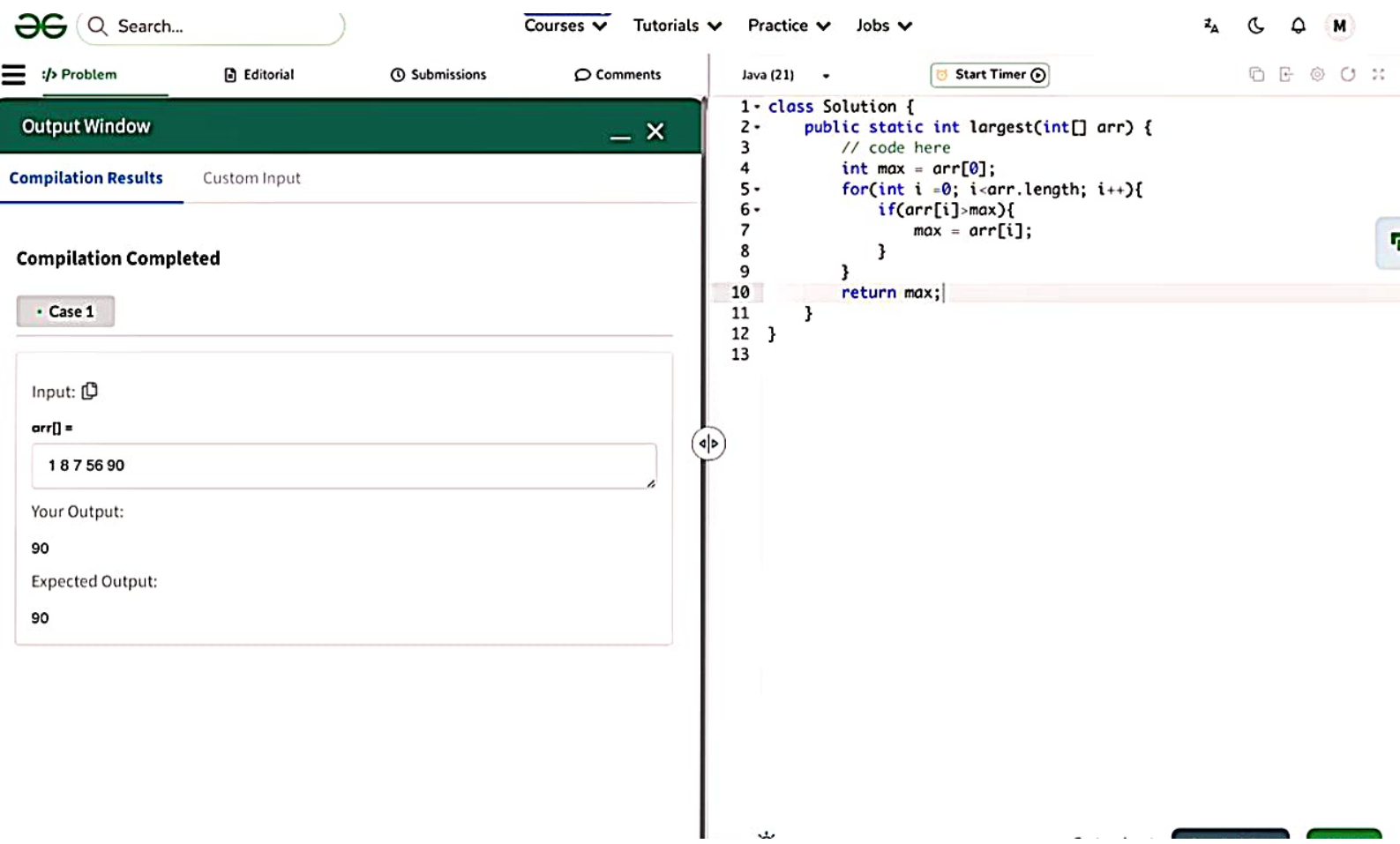
Try more examples

Expected Complexities

Java (21) Start Timer

```java
class Solution {
    public int kthSmallest(int[] arr, int k) {
        return quickSelect(arr, 0, arr.length - 1, k - 1);
    }

    private int quickSelect(int[] arr, int low, int high, int k) {
        if (low <= high) {
            int pivotIndex = partition(arr, low, high);

            if (pivotIndex == k)
                return arr[pivotIndex];
            else if (pivotIndex > k)
                return quickSelect(arr, low, pivotIndex - 1, k);
            else
                return quickSelect(arr, pivotIndex + 1, high, k);
        }
        return -1;
    }

    private int partition(int[] arr, int low, int high) {
        int pivot = arr[high];
        int i = low;

        for (int j = low; j < high; j++) {
            if (arr[j] <= pivot) {
                int temp = arr[i];
                arr[i] = arr[j];
                arr[j] = temp;
                i++;
            }
        }

        int temp = arr[i];
        arr[i] = arr[high];
        arr[high] = temp;
```

Custom Input | Compile & Run | Submit


Search...
Courses
Tutorials
Practice
Jobs
Problem
Editorial
Submissions
Comments
Java (21)
Start Timer
Output Window
Compilation Results
Custom Input
Compilation Completed
Case 1
Input:
arr[] =
1 8 7 56 90
Your Output:
90
Expected Output:
90
class Solution {
public static int largest(int[] arr) {
// code here
int max = arr[0];
for(int i =0; i<arr.length; i++){
if(arr[i]>max){
max = arr[i];
}
}
return max;
}
}