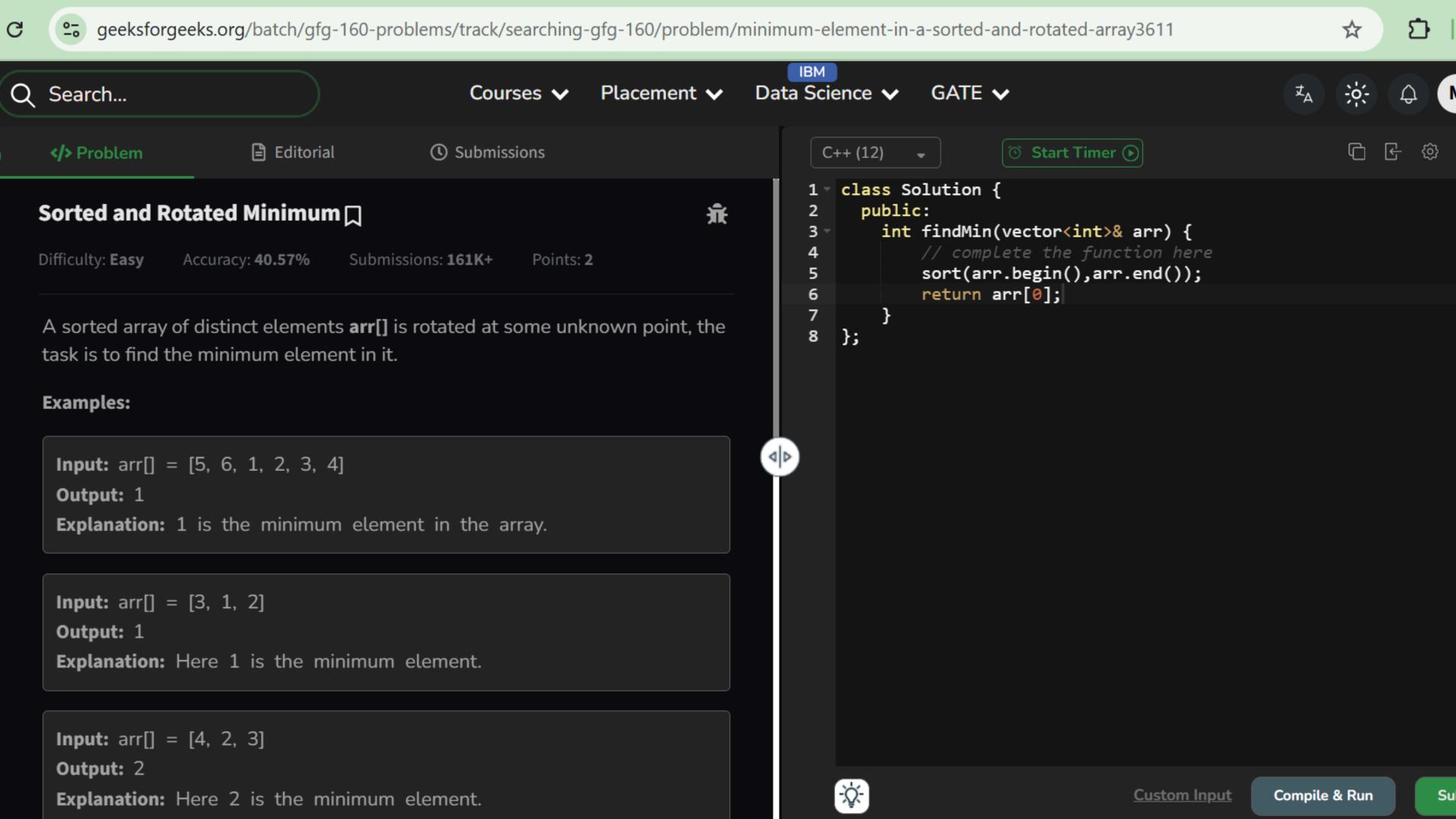
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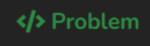
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Submissions

K-th element of two Arrays □

Difficulty: Medium Accuracy: **37.4**%

Submissions: 368K+ Points: 4

Average Time: 15m

Given two sorted arrays $\mathbf{a}[]$ and $\mathbf{b}[]$ and an element \mathbf{k} , the task is to find the element that would be at the k^{th} position of the combined sorted array.

Examples:

Input: a[] = [2, 3, 6, 7, 9], b[] = [1, 4, 8, 10], k = 5Output: 6

Explanation: The final combined sorted array would be [1, 2, 3, 4, 6, 7, 8, 9, 10]. The 5th element of this array is 6.

Input: a[] = [1, 4, 8, 10, 12], b[] = [5, 7, 11, 15, 17], k = 6

Output: 10

Constraints:

Explanation: Combined sorted array is [1, 4, 5, 7, 8, 10, 11, 12, 15,

17]. The 6th element of this array is 10.

```
C++(12)
4 0
```

```
1 class Solution {
      public:
        int kthElement(vector<int> &a, vector<int> &b, int k) {
            // code here
            int n=a.size();
            int m= b.size();
 6
            vector<int> temp(n+m);
 8
            for(int i=0;i<n;i++){temp[i]=a[i];}</pre>
 9
            for(int i=0;i<m;i++){temp[i+n]=b[i];}</pre>
10
11
            sort(temp.begin(),temp.end());
12
            return temp[k-1];
13
14
15
16
    };
```