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Sum of Query II | Practice | Geek...

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Practice

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C++ (g++ 5.4)Test against custom input

Sum of Query II

Medium Accuracy: 84.96% Submissions: 2098 Points: 4

You are given an array `arr[]` of `n` integers and `q` queries in an array `queries[]` of length `2*q` containing `l, r` pair for all `q` queries. You need to compute the following sum over `q` queries.

$$\sum_{i=l}^r arr[i]$$

Array is 1-Indexed.

Example 1:

Input: `n = 4`
`arr = {1, 2, 3, 4}`
`q = 2`
`queries = {1, 4, 2, 3}`

Output: 10 5

Explanation: In the first query we need sum from 1 to 4 which is `1+2+3+4 = 10`. In the second query we need sum from 2 to 3 which is `2 + 3 = 5`.

```
1 // } Driver Code Ends
2 // User function Template for C++
3
4 class Solution{
5 public:
6     vector<int> querySum(int n, int arr[], int q, int queries[])
7     {
8         // code here
9         //create a vector
10        vector<int>v;
11        int i=0;
12        while(q-->0)
13        {
14            int sum=0;
15            for(int j=queries[i];j<=queries[i+1];j++)
16            {
17                sum+=arr[j-1];
18            }
19            v.push_back(sum);
20            i=i+2;
21        }
22        return v;
23    }
24 };
25 // } Driver Code Ends
```

Average Time: 10m
Your Time: 34m 37s

Compile & Run

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Output Window

Type here to search

16:36
18-09-2021