Problem Link:

<https://codeforces.com/problemset/problem/433/B>

Solution:

* **#include**<bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n;
* cin >> n;
* **vector**<**long** **long**> v(n), vs(n);
* **for**(**int** i = 0; i < n; ++i)
* {
* cin >> v[i];
* vs[i] = v[i];
* }
* **vector**<**long** **long**> p(n + 1, 0), ps(n + 1, 0);
* sort(vs.begin(), vs.end());
* **for**(**int** i = 1; i <= n; ++i)
* {
* p[i] = p[i - 1] + v[i - 1];
* ps[i] = ps[i - 1] + vs[i - 1];
* }
* **int** m;
* cin >> m;
* **while**(m--)
* {
* **int** type, l, r;
* cin >> type >> l >> r;
* **if**(type == 1)
* {
* cout << p[r] - p[l - 1] << **'\n'**;
* }
* **else**
* {
* cout << ps[r] - ps[l - 1] << **'\n'**;
* }
* }
* **return** 0;
* }