5645. Find the Highest Altitude

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There is a biker going on a road trip. The road trip consists of `n + 1` points at different altitudes. The biker starts his trip on point `0` with altitude equal `0`.

You are given an integer array `gain` of length `n` where `gain[i]` is the **net gain in altitude** between points `i` and `i + 1` for all (`0 <= i < n`) . Return the **_highest altitude_** of a point.

User Accepted:	1426
User Tried:	1493
Total Accepted:	1430
Total Submissions:	1550
Difficulty:	Easy

Example 1:

```
Input: gain = [-5,1,5,0,-7]
Output: 1
Explanation: The altitudes are [0,-5,-4,1,1,-6]. The highest is 1.
```
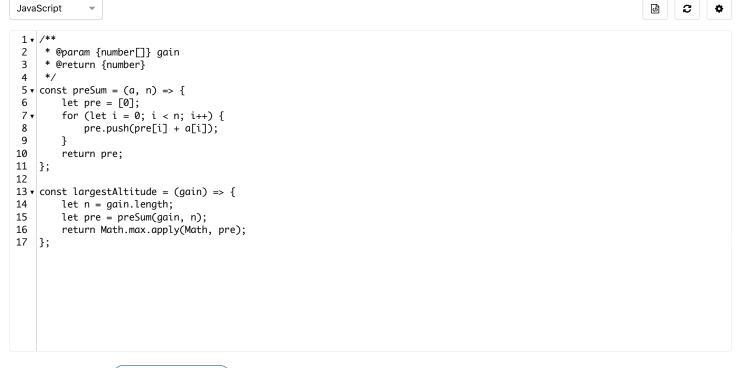
Example 2:

```
Input: gain = [-4,-3,-2,-1,4,3,2]
Output: 0
Explanation: The altitudes are [0,-4,-7,-9,-10,-6,-3,-1]. The highest is 0.
```

Constraints:

- `n == gain.length`
- `1 <= n <= 100`
- `-100 <= gain[i] <= 100`

JavaScript ▾

```javascript
/**
 * @param {number[]} gain
 * @return {number}
 */
const preSum = (a, n) => {
    let pre = [0];
    for (let i = 0; i < n; i++) {
        pre.push(pre[i] + a[i]);
    }
    return pre;
};

const largestAltitude = (gain) => {
    let n = gain.length;
    let pre = preSum(gain, n);
    return Math.max.apply(Math, pre);
};
```

☐ **Custom Testcase**   Use Example Testcases

● Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/446729420/) ❓   More Details ❯ (/submissions/detail/446729420/)

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