```
1051 | Easy | Height Checker | Sorting

A school is trying to take an annual photo of all the students.
The students are asked to stand in a single file line in
non-decreasing order by height.

Let this ordering be represented by the integer array expected
where expected[i] is the expected height of the ith student in line.

You are given an integer array heights representing the current order
that the students are standing in. Each heights[i] is the height of
the ith student in line (0-indexed).

Return the number of indices where heights[i] != expected[i].

Constraints:
1 <= heights.length <= 100
1 <= heights[i] <= 100
```

Example 1:

```
Input: heights = [1,1,4,2,1,3]
Output: 3
Explanation:
heights:  [1,1,4,2,1,3]
expected: [1,1,1,2,3,4]
Indices 2, 4, and 5 do not match.
```

Example 2:

```
Input: heights = [5,1,2,3,4]
Output: 5
Explanation:
heights:  [5,1,2,3,4]
expected: [1,2,3,4,5]
All indices do not match.
```

Example 3:

```
Input: heights = [1,2,3,4,5]
Output: 0
Explanation:
heights:  [1,2,3,4,5]
expected: [1,2,3,4,5]
All indices match.
```

```cpp
int heightChecker(vector<int>& heights) {
    int N = heights.size();
    vector<int> exp(N);

    // * assign is importants.
    exp.assign(heights.begin(), heights.end());
    sort(heights.begin(), heights.end());

    int count = 0;
    for(int i=0; i<N; i++) {
        if(heights[i] != exp[i]) count++;
    }
    return count;
}
```

#100daysofDSA





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