1431. Kids With the Greatest Number of Candies

▼ Link to problem on leetcode.

Kids With the Greatest Number of Candies - LeetCode

Can you solve this real interview question? Kids With the Greatest Number of Candies - There are n kids with candies. You are given an integer array candies, where each candies[i]

https://leetcode.com/problems/kids-with-the-greatest-number-of-candies/description/

Problem Statement: There are `n` kids with candies. You are given an integer array `candies`, where each `candies[i]` represents the number of candies the `ith` kid has, and an integer `extraCandies`, denoting the number of extra candies that you have. Return *a boolean array* `result` *of length* `n`*, where* `result[i]` *is* `true` *if, after giving the* `ith` *kid all the* `extraCandies`*, they will have the* ***greatest*** *number of candies among all the kids, or* `false` *otherwise*. Note that **multiple** kids can have the **greatest** number of candies.

Solution in C:

```
/**
 * Note: The returned array must be malloced, assume caller calls free().
 */
bool* kidsWithCandies(int* candies, int candiesSize, int extraCandies, int* returnSize){
    int i, max = candies[0];
    for(i = 1; i < candiesSize; i++) {
        if(candies[i] > max) {
            max = candies[i];
        }
    }
    if(2 <= candiesSize && candiesSize <= 100) {
        bool *retArr = (bool*)malloc(candiesSize * sizeof(bool));
        for(i = 0; i < candiesSize; i++) {
            if(candies[i] + extraCandies >= max) {
                retArr[i] = true;
            } else {
                retArr[i] = false;
            }
        }
        *returnSize = candiesSize;
        return retArr;
```

```
    }
    *returnSize = 0;
    return NULL;
}
```

Solution in Java:

```
class Solution {
    public List<Boolean> kidsWithCandies(int[] candies, int extraCandies) {
        int i, max = Arrays.stream(candies).max().getAsInt();
        List<Boolean> retArr = new ArrayList<Boolean>(candies.length);
        for(i = 0; i < candies.length; i++) {
            if(candies[i] + extraCandies >= max) {
                retArr.add(true);
            } else {
                retArr.add(false);
            }
        }
        return retArr;
    }
}
```