238. Product of Array Except Self

- Given an integer array nums, return an array answer such that answer[i] is equal to the product of all the elements of nums except nums[i].
- The product of any prefix or suffix of nums is guaranteed to fit in a 32-bit integer.
- You must write an algorithm that runs in O(n) time and without using the division operation.

Example 1:

- **Input:** nums = [1,2,3,4]
- **Output:** [24,12,8,6]

Example 2:

- **Input:** nums = [-1,1,0,-3,3]
- **Output:** [0,0,9,0,0]

Constraints:

- 2 <= nums.length <= 10^5
- -30 <= nums[i] <= 30
- The product of any prefix or suffix of nums is guaranteed to fit in a 32-bit integer.

Follow up: Can you solve the problem in O(1) extra space complexity? (The output array does not count as extra space for space complexity analysis.)