# **Zero Sum Subarrays**

Medium Accuracy: 50.41% Submissions: 28275 Points: 4

You are given an array arr[] of size n. Find the total count of sub-arrays having their sum equal to 0.

## Example 1:

### Input:

n = 6

 $arr[] = \{0,0,5,5,0,0\}$ 

Output: 6

Explanation: The 6 subarrays are [0], [0], [0], [0], [0,0], and [0,0].

### **Example 2:**

## Input:

n = 10

 $arr[] = \{6,-1,-3,4,-2,2,4,6,-12,-7\}$ 

Output: 4

**Explanation:** The 4 subarrays are [-1 -3 4]

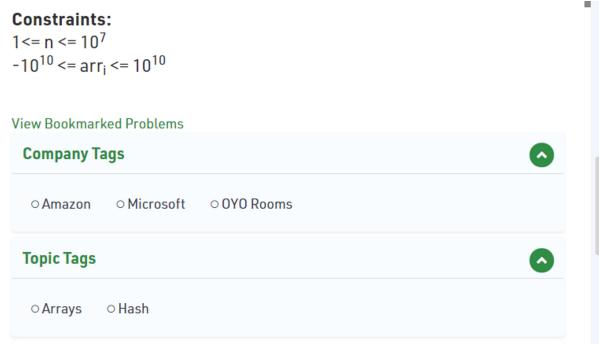
[-2 2], [2 4 6 -12], and [-1 -3 4 -2 2]

#### Your Task:

You don't need to read input or print anything. Complete the function **findSubarray()** that takes the array arr and its size n as input parameters and returns the total number of sub-arrays with 0 sum.

**Expected Time Complexity** : O(n)

**Expected Auxilliary Space** : O(n)



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