https://course.acciojob.com/idle?question=2ee2a709-fb2f-4acd-b328 -a7a74a556edb

- EASY
- Max Score: 20 Points

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Largest Subarray with 0 Sum

Given an array arr[] of length N, find the length of the longest sub-array with a sum equal to 0.

A subarray is a contiguous part of the array.

Complete the given function.

Input Format:

First line contains integer N

Second line contains n integers arr[i].

Output Format:

Print the longest subarray length with a sum equal to 0.

EXAMPLE 1:

Input:

```
8
15 -2 2 -8 1 7 10 23
```

Output:

Explanation:

The longest sub-array with elements summing up-to 0 is {-2, 2, -8, 1, 7}

EXAMPLE 2:

Input:

3

1 2 3

Output:

0

Explanation:

There is no subarray with 0 sum

constraints:

```
-100000 <= nums.length <= 100000
0 <= nums[i] <= 100000
```

Topic Tags

Arrays

My code

// in java import java.util.HashMap;

```
import java.io.*;
import java.util.*;
class Solution {
  public int maxLen(int arr[])
     {
           // Write your code here
           int len=0;
           int sum=0;
           HashMap<Integer,Integer>hm=new HashMap<>();
           hm.put(0,-1);
           for(int i=0;i<arr.length;i++)</pre>
                 {
                       sum+=arr[i];
                       if(hm.containsKey(sum))
                       int l=i-hm.get(sum);
                             if(len<I)
                                  len=I;
                       else hm.put(sum,i);
           return len;
     }
}
class Main {
     public static void main(String arg[])
     {
           Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
```