Arrays Problems:

Question1: Longest Subarray with give sum k(positives)

Solutions:

Question2: Majority Of element n/2 **Moore’s voting**

**Solutions:**

We need to find the element which appears more than n/2

Arr[] = {2,2,3,4,2,2,1,1,2};

Ans = 2;

Brute force :  
  
Search the entire with 2 loops and scan the entire array and chech

If count > n/2 then break

And return the value!!

TC = O(n^2)

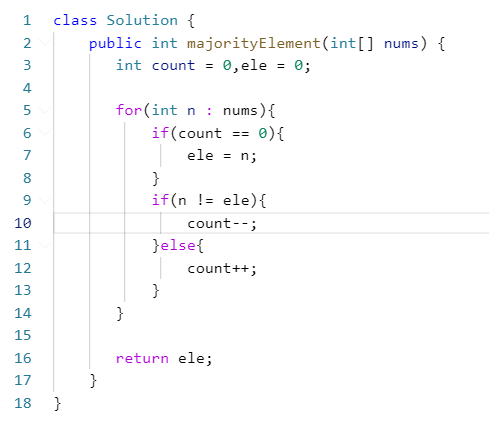
Optimal Solutions2

Sort the array and return the value of nums[length/2]

It will take O(nlogn);

Optimal Solution 2:  
  
Take one hashtable

**Moore’s Algorithm:**

****

**Kaden’s Algorithm:**