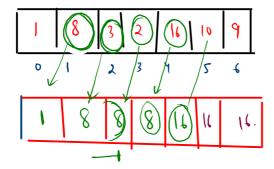
## Greatest Till Me

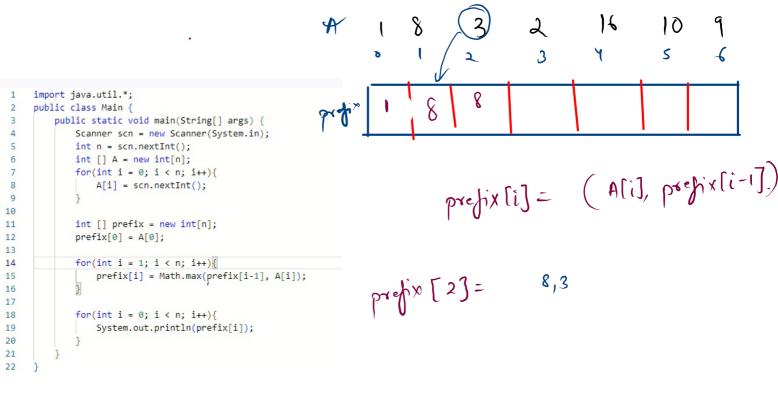
Find the maximum from left till that index

### **Problem Statement**

Make a <u>prefix array</u> of size **N** such that at the **kth** index of the prefix array store the greatest element from the left till the **kth** index of the given array.



1 8 8 8 14 16 16

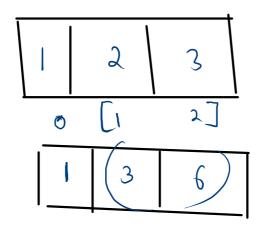


# Print Prefix Sum between L and R

Given array prepare a prefix sum array and print the idxs from L to R.

# **Problem Statement**

Take an integer input I and r such that I,r ← array.length. Given an array. Make a prefix sum array from this. The print the sum of the elements inside the array starting from the \*(I-index\*\* till the r-index(I and r both inclusive).



# Test Case 1

Input:

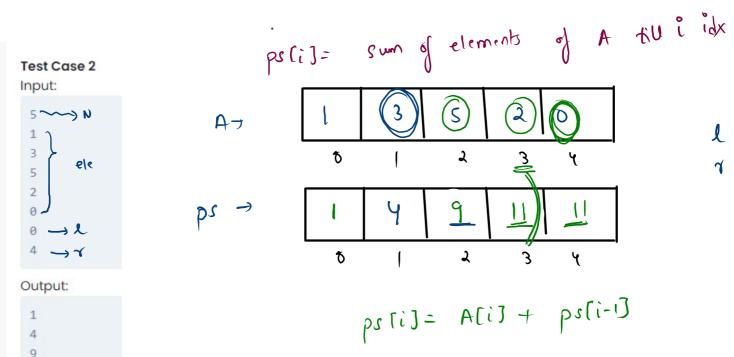


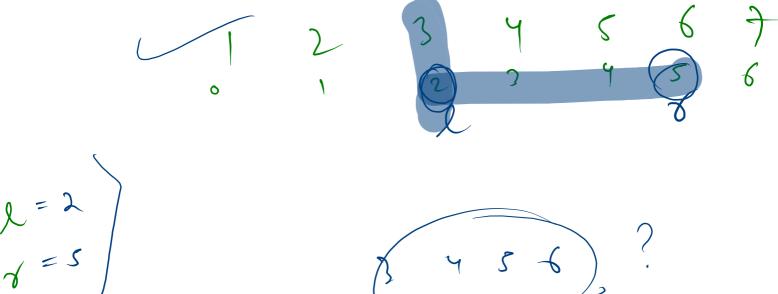












```
import java.util.*;
 2
 3
     public class Main {
         public static void main(String[] args) {
             Scanner scn = new Scanner(System.in);
 5
             int n = scn.nextInt();
 7
             int [] A = new int[n];
             for(int i = 0; i < n; i++){
 8
                 A[i] = scn.nextInt();
 9
10
11
12
             int left = scn.nextInt();
             int right = scn.nextInt();
13
14
15
             //prefix sum array -> ps array
16
             int [] ps = new int[n];
             ps[0] = A[0];
17
             for(int i = 1; i < n; i++){
18
19
                 ps[i] = A[i] + ps[i-1];
20
21
             //left to right print
             for(int i = left; i <= right; i++){</pre>
22
                 System.out.println(ps[i]);
23
24
25
26
27
```

#### Find Pivot Index

Find Pivot Index

#### **Problem Statement**

Given an a<u>rray of integers **nums**</u>, calculate the pivot index of this array.

The **pivot index** is the index where the <u>sum of all the numbers</u> strictly to the <u>left of</u> the <u>index</u> is equal to the <u>sum of all the</u> numbers strictly to the index's right.

If the index is on the **left** edge of the array, then the **left** sum is **0** because there are no elements to the left. This also applies to the right edge of the array.

Return the leftmost pivot index. If no such index exists, return -1.

#### Test Case 1

Input:

6

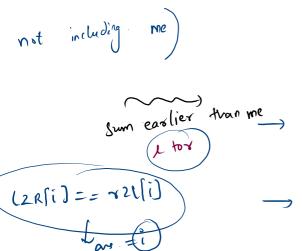
173656

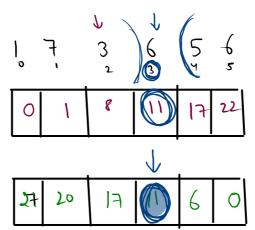
### Output:

3

## Explanation:

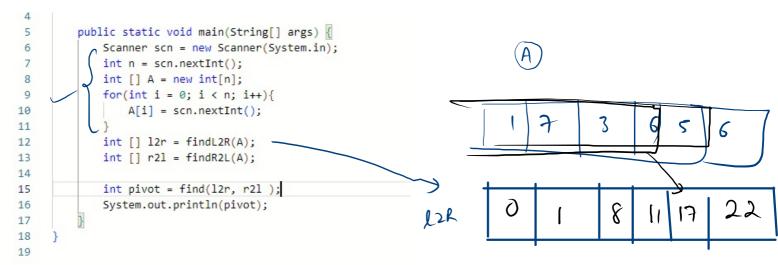
The pivot index is 3. Left sum = nums[0] + nums[1] + nums[2] = 1 + 7 + 3 = 11 Right sum = nums[4] + nums[5] = 5 + 6 = 11



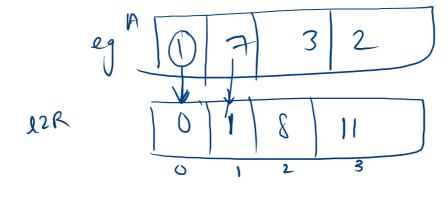


Sum earlier van me

Rhol

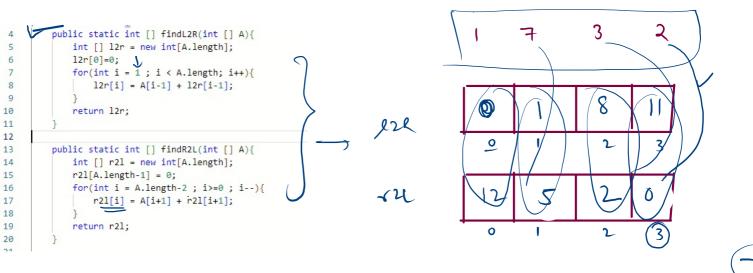


```
public static int [] findL2R(int [] A){
    int [] l2r = new int[A.length];
    l2r[0]=0;
    for(int i = 1 ; i < A.length; i++){
        l2r[i] = A[i-1] + l2r[i-1];
    }
    return l2r;</pre>
```



(21

2 mins.



```
import java.util.*;
 2
 3
     public class Main {
 4
         public static int [] findL2R(int [] A){
             int [] 12r = new int[A.length];
 5
 6
             12r[0]=0;
 7
             for(int i = 1 ; i < A.length; i++){</pre>
                 12r[i] = A[i-1] + 12r[i-1];
 8
 9
10
             return 12r;
11
12
         public static int [] findR2L(int [] A){
13
             int [] r2l = new int[A.length];
14
             r21[A.length-1] = 0;
15
             for(int i = A.length-2 ; i>=0 ; i--){
16
17
                 r2l[i] = A[i+1] + r2l[i+1];
18
             return r21;
19
20
21
22
         public static int find(int [] 12r, int [] r2l ){
             for(int i = 0; i < 12r.length; i++){</pre>
23
                 if(l2r[i] == r2l[i]){
24
25
                     return i:
26
27
```

return -1;

```
30
         public static void main(String[] args) {
31
             Scanner scn = new Scanner(System.in);
32
33
             int n = scn.nextInt();
34
             int [] A = new int[n];
35
             for(int i = 0; i < n; i++){
36
                 A[i] = scn.nextInt();
37
             int [] 12r = findL2R(A);
38
             int [] r2l = findR2L(A);
39
40
             int pivot = find(l2r, r2l );
41
             System.out.println(pivot);
42
43
44
45
```

# Print Freq of Alphabet in String

Problem Submissions

Leaderboard

Discussions

John is a software engineer who is passionate about programming. One day, he stumbled upon a challenging problem in an online coding platform. The problem required him to find the frequency of each alphabet in a given string and print the frequency of each alphabet present in the string.

help John and write a program that return the frequency of each element of string using array as hashmap.



int

# Sample Input 0

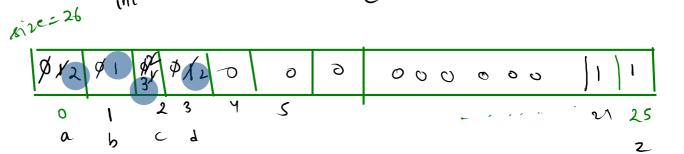
abcdaccd

# Sample Output 0

a-2 b-1

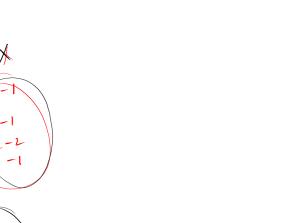
c-3

d-2



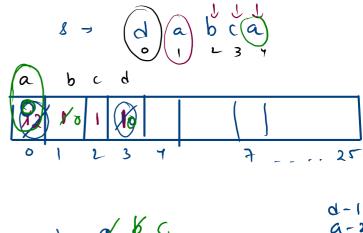
a-2

$$\frac{1}{a} = \frac{1}{2} = \frac{1}{3} = \frac{1}$$



```
1 vimport java.io.*;
2 import java.util.*;
4 *public class Solution {
6 ₹
        public static void main(String[] args) {
7
            Scanner scn = new Scanner(System.in);
8
            String s = scn.next();
9 *
            int [] freq = new int[26];
10
11
12 ▼
            for(int i = 0; i < s.length(); i++){
13
                char ch = s.charAt(i);
14 1
                freq[ch - 'a']++;
15
16
17 v
            for(int i = 0; i < s.length(); i++){
18
                char ch = s.charAt(i);
19 •
                if(freg[ch-'a'] != 0){
20 ▼
                    System.out.println(ch + "-" + freq[ch-'a']);
21 *
                    freg[ch-'a'] = 0;
22
23
24
25
```

26 }



tad(3) p-