Comp 130 - Introduction to Programming (Java)

Task: BalanceIndex

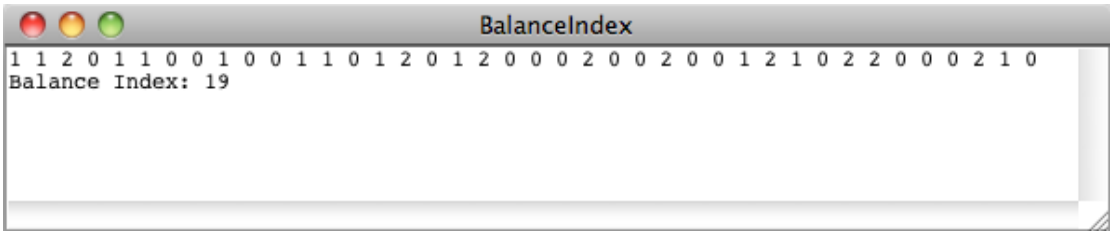
Description: Write a program that finds the balance index of an array where balanced index i is defined as the first position where the left sum is equal to the right sum. You are asked to find the smallest i such that

$$a[0]+a[1]+...+a[i] == a[i+1]+a[i+2]+...+a[ARRAY\_SIZE]$$

If no balance index exists, your program should return -1.

Note that your program should fill all the elements of array with random integers in range [0-2].

Sample Run 1:



Sample Run 2: