Online on List (B1/B2)

Time: 20 mins

You have implemented List ADT in your offline. Now, you need to add a new functionality to the ADT (both arrayList and linkedList) using the codes you have written in the offline. Suppose the initial list is [1 2| 3]

Function (11)	Parameters	After Execution
surprise_insert(int item)	4	[1 2 4| 3]
	6	[1 2 4| 3 6]
	5	[1 2 4 5| 3 6]

This function alternates between insert function and append function [When first called on a list, it does insert. One next call it appends. Then, on further call it inserts and so on]. The number of the function is 11.

Sample Input	Sample Output
11 1 11 2 11 3 11 4 11 5 11 6	[1|] [1| 2] [1 3| 2] [1 3| 2 4] [1 3 5| 2 4] [1 3 5| 2 4 6]

We are ignoring other log prints you have printed during your offline. You can keep them as they are, or discard them.