### **Question 1 [15 Points]**

Write a python/java function called **weirdJoin(h1,h2)**. The function takes two heads of two different Singly Linked List in its parameters. The function combines the two Linked List in a criss cross manner into a **new singly linked list** then returns the head **new singly linked list**.

**Note: You need to create a new LinkedList so you can assume a Node class already given. The node class has only 2 instance variables elem & next. Moreover, you can assume the length of the given two linked lists will always be the same.**

| **Sample Given Linked Lists:** | **Sample Output:** | **Explanation:** |
| --- | --- | --- |
| First LinkedList:  21 -> 32  Second LinkedList:  91 -> 44 | 21 -> 91 -> 32 -> 44 | **A new node created from the 1st Node of the first linked list. Then it is connected to a new node created from the 1st node of the second linked list. Then it is connected to another new node created from the 2nd Node of the first linked list. The latter connections are made in the same manner.** |
| First LinkedList:  12 -> 10 -> 65  Second LinkedList:  19 -> 40 -> 31 | 12->19->10->40->65->31 |
| First LinkedList:  12 -> 10 -> 65 -> 32  Second LinkedList:  19 -> 40 -> 31 -> 23 | 12->19->10->40->65->31->32->23 |