**Vertical sum:-**

Given a Binary Tree, find vertical sum of the nodes that are in same vertical line. Print all sums through different vertical lines starting from left-most vertical line to right-most vertical line.

**Example 1:**

**Input:**

1

/ \

2 3

/ \ / \

4 5 6 7

**Output:**

**Explanation:**

The tree has 5 vertical lines

Vertical-Line-1 has only one node

4 => vertical sum is 4

Vertical-Line-2: has only one node

2=> vertical sum is 2

Vertical-Line-3: has three nodes:

1,5,6 => vertical sum is 1+5+6 = 12

Vertical-Line-4: has only one node 3

=> vertical sum is 3

Vertical-Line-5: has only one node 7

=> vertical sum is 7

**Your Task:**  
You don't need to take input. Just complete the function**verticalSum()**that takes **root**node of the treeas parameter and returns an array containing the vertical sum of tree from left to right.

**Expected Time Complexity**: O(N).  
**Expected Auxiliary Space:**O(N).

**Constraints:**  
1<=Number of nodes<=1000