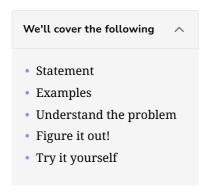
# Vertical Order Traversal of a Binary Tree

Try to solve the Vertical Order Traversal of a Binary Tree problem.



#### **Statement**

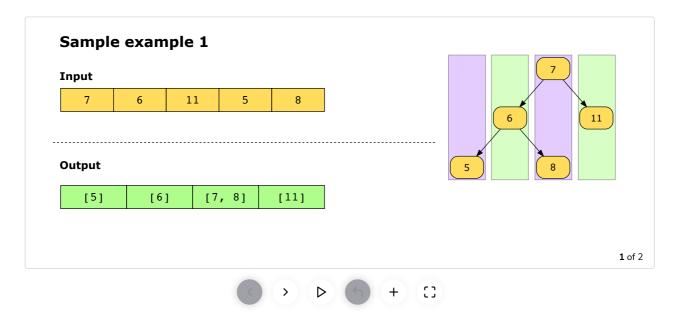
Find the vertical order traversal of a binary tree when the root of the binary tree is given. In other words, return the values of the nodes from top to bottom in each column, column by column from left to right. If there is more than one node in the same column and row, return the values from left to right.

#### **Constraints:**

- The number of nodes in the tree is in the range [1, 1000].
- $-1000 \leq Node.val \leq 1000$

#### **Examples**

In the slides below, the input parameter is a list that represents the level order traversal of the binary tree.



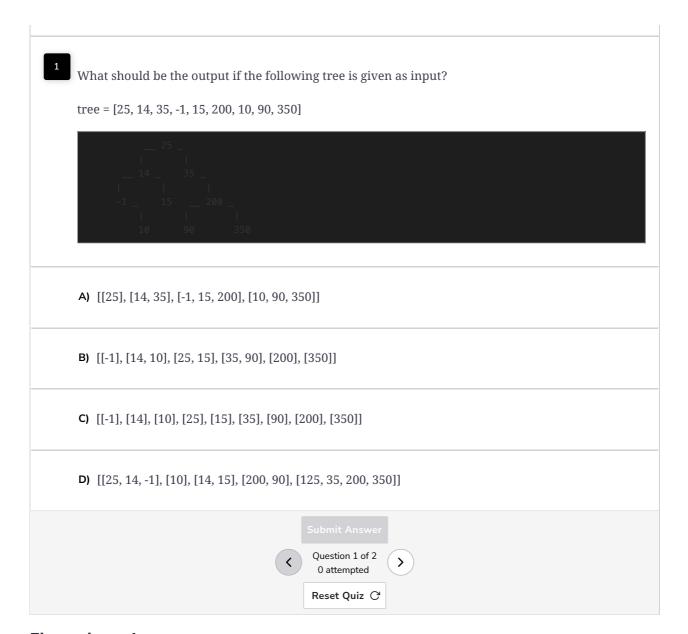
### Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

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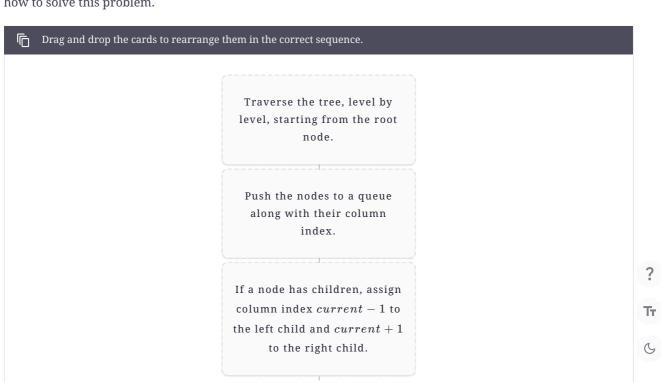
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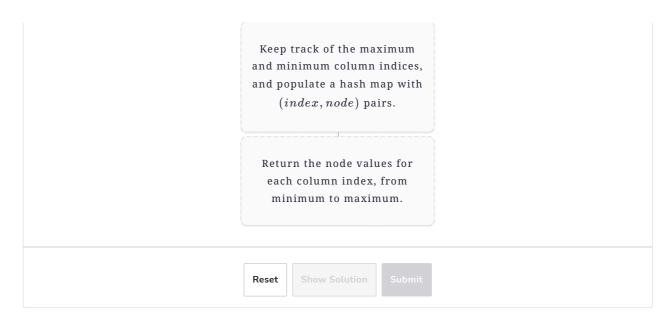
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## Figure it out!

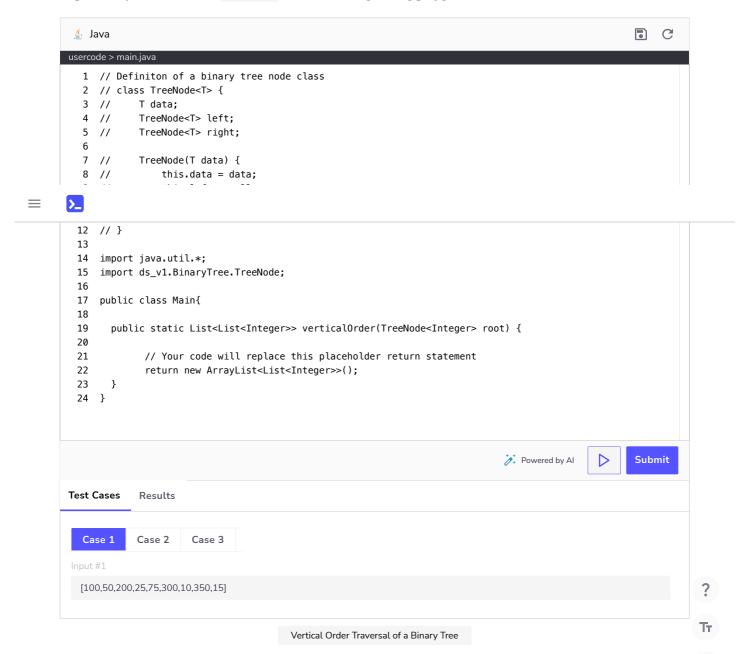
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.





## Try it yourself

Implement your solution in main. java in the following coding playground.



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Solution: Populating N...



Solution: Vertical Orde...



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