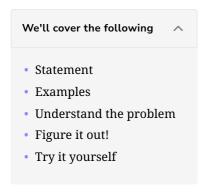
Serialize and Deserialize Binary Tree

Try to solve the Serialize and Deserialize Binary Tree problem.



Statement

Serialize a given binary tree to a file and deserialize it back to a tree. Make sure that the original and the deserialized trees are identical.

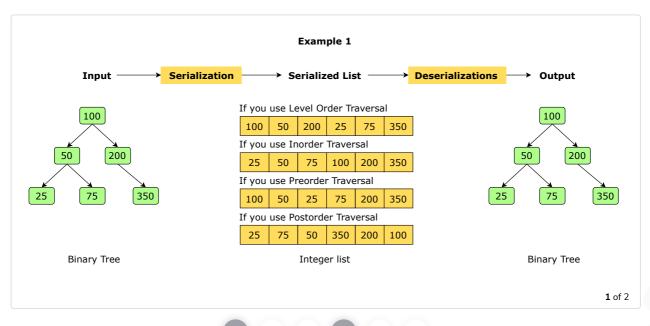
- Serialize: Write the tree to a file.
- Deserialize: Read from a file and reconstruct the tree in memory.

Serialize the tree into a list of integers, and then, deserialize it back from the list to a tree. For simplicity's sake, there's no need to write the list to the files.

Constraints:

- The number of nodes in the tree is in the range $[0, 10^4]$.
- $-1000 \le$ Node.value ≤ 1000

Examples



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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:

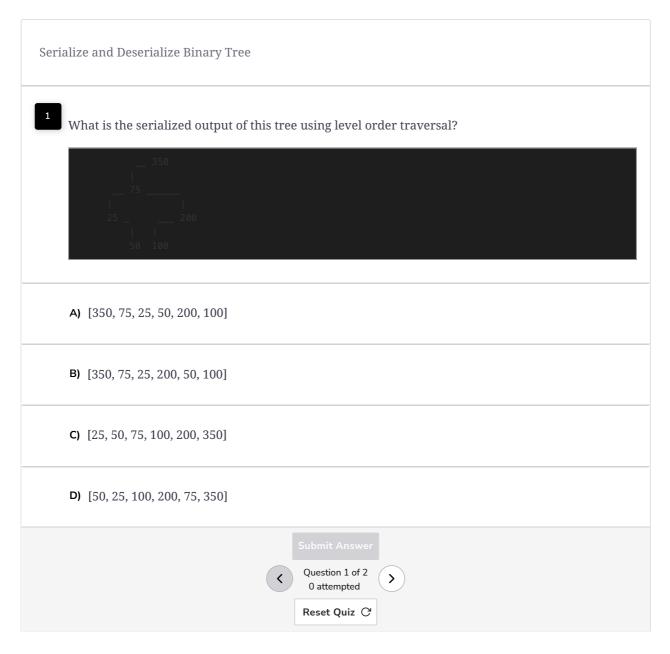
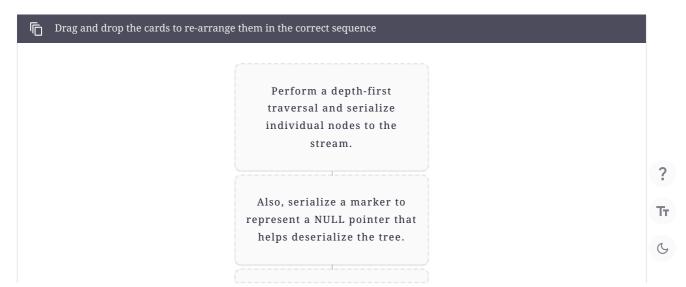
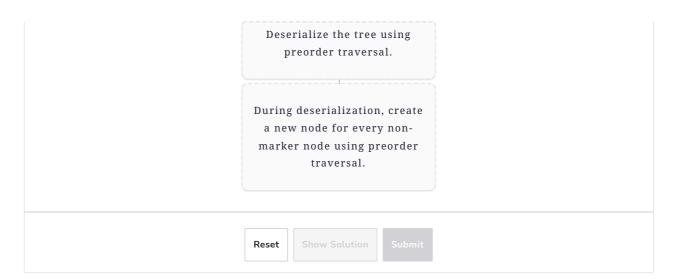


Figure it out!

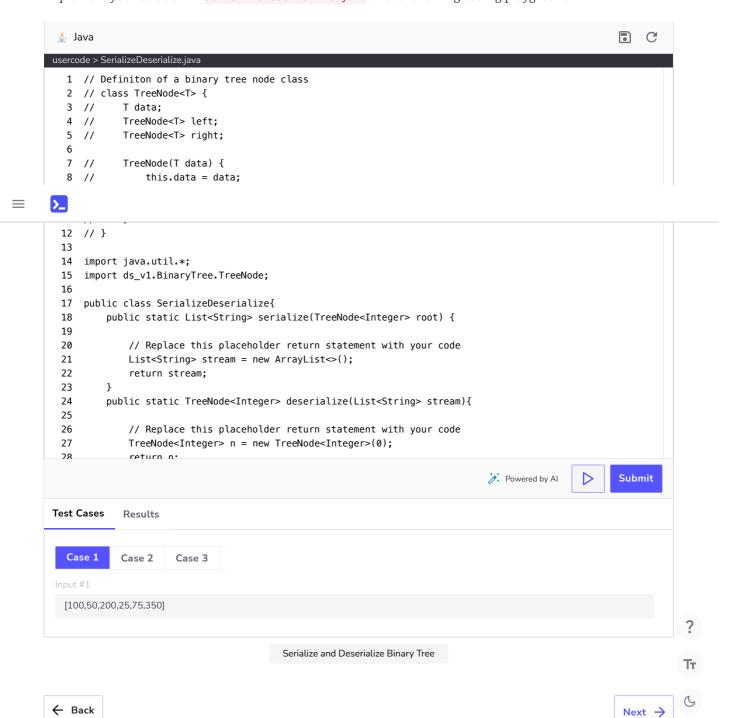
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.





Try it yourself

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



Solution: Diameter of ... Solution: Serialize and...

✓ Mark as Completed

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