Diameter of Binary Tree

Try to solve the Diameter of Binary Tree problem.



Statement

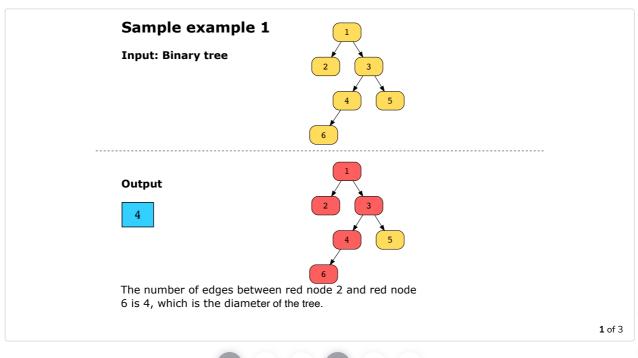
Given a binary tree, you need to compute the length of the tree's diameter. The diameter of a binary tree is the length of the longest path between any two nodes in a tree. This path may or may not pass through the root.

Note: The length of the path between two nodes is represented by the number of edges between them.

Constraints:

- The number of nodes in the tree is in the range $[1, 10^4]$.
- $-100 \leq$ Node.value ≤ 100

Examples



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:

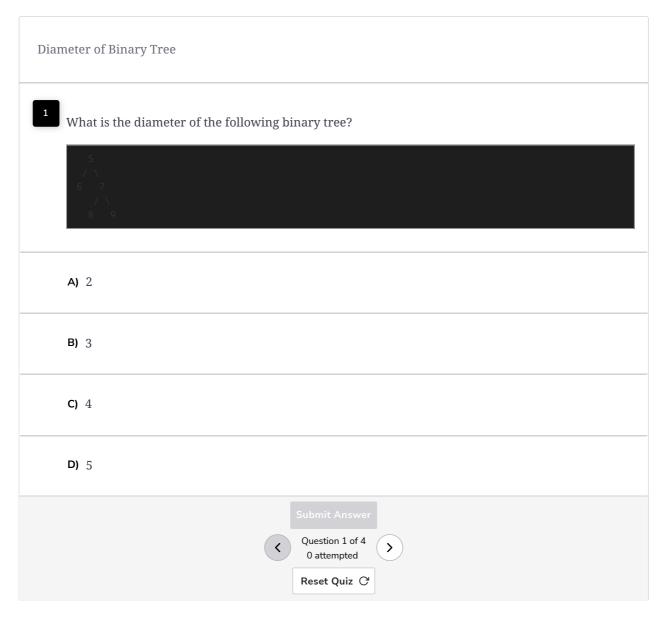
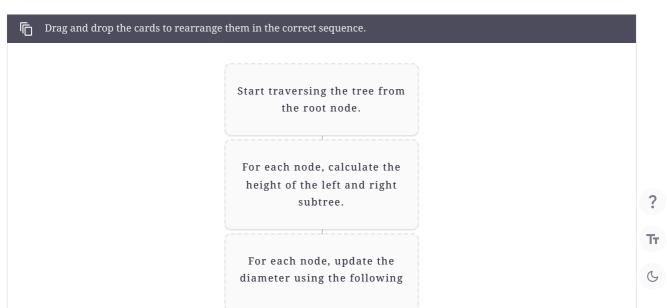
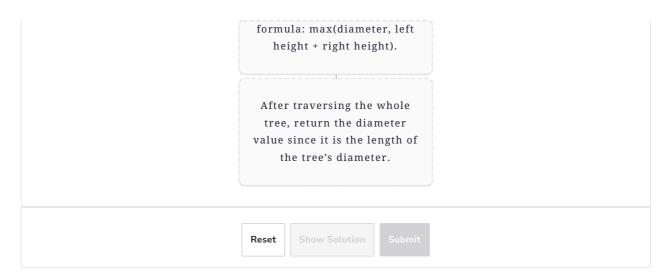


Figure it out!

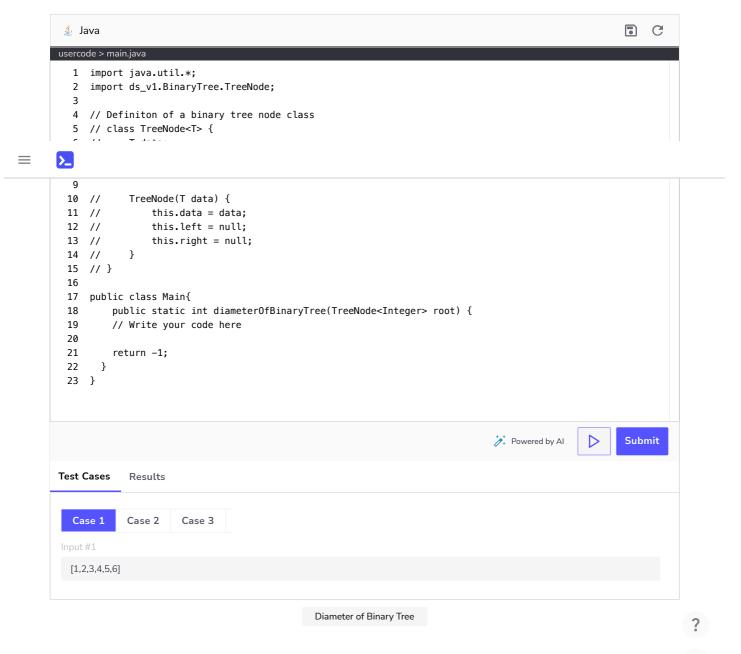
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.





Try it yourself

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



← Back

Solution: Flatten Binar...



Solution: Diameter of ...