
From: Daily Coding Problem
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Subject: Daily Coding Problem: Problem #3 [Medium]



Daily Coding Problem

Good morning! Here's your coding interview problem for today.

This problem was asked by Google.

Given the root to a binary tree, implement `serialize(root)`, which serializes the tree into a string, and `deserialize(s)`, which deserializes the string back into the tree.

For example, given the following `Node` class

```
class Node:
    def __init__(self, val, left=None, right=None):
        self.val = val
        self.left = left
        self.right = right
```

The following test should pass:

```
node = Node('root', Node('left', Node('left.left')),
Node('right'))
assert deserialize(serialize(node)).left.left.val ==
'left.left'
```

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