

Our Solution(s)Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 #include <vector>
4 #include <deque>
5 using namespace std;
6
7 class BinaryTree {
8 public:
9     int value;
10    BinaryTree *left;
11    BinaryTree *right;
12
13    BinaryTree(int value);
14    void insert(vector<int> values, int i = 0);
15    void invertedInsert(vector<int> values, int i = 0);
16 };
17
18 void swapLeftAndRight(BinaryTree *tree);
19
20 // O(n) time | O(n) space
21 void invertBinaryTree(BinaryTree *tree) {
22     deque<BinaryTree *> queue;
23     queue.push_back(tree);
24     while (queue.size() > 0) {
25         BinaryTree *current = queue.front();
26         queue.pop_front();
27         if (current == NULL) {
28             continue;
29         }
30         swapLeftAndRight(current);
31         queue.push_back(current->left);
32         queue.push_back(current->right);
33     }
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

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2 using namespace std;
3
4 class BinaryTree {
5 public:
6     int value;
7     BinaryTree *left;
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9
10    BinaryTree(int value);
11    void insert(vector<int> values, int i = 0);
12    void invertedInsert(vector<int> values, int i = 0);
13 };
14
15 void invertBinaryTree(BinaryTree *tree) {
16     // Write your code here.
17 }
18
```

Custom OutputSubmit Code

