

2. Invert Binary Tree

Shashank Patel C J

1BM22CS255

```
/**
 * Definition for a binary tree node.
 * struct TreeNode {
 *     int val;
 *     struct TreeNode *left;
 *     struct TreeNode *right;
 * };
 */
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 *     int val;
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 * };
 */
void invert(struct TreeNode ** root){
    if(*root != NULL){
        struct TreeNode * temp = (*root)->left;
        (*root)->left = (*root)->right;
        (*root)->right = temp;

        invert(&(*root)->left);
        invert(&(*root)->right);
    }
}
struct TreeNode* invertTree(struct TreeNode* root) {
    invert(&root);
    return root;
}
```

Output:

Accepted Runtime: 5 ms

• Case 1 • Case 2 • Case 3

Input

root =
[4,2,7,1,3,6,9]

Output

[4,7,2,9,6,3,1]

Expected

[4,7,2,9,6,3,1]