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#include <stdio.h>

#define MAX_SIZE 15 // Maximum size of the binary tree array
```

```
int tree[MAX_SIZE];
```

```
void inorderTraversal(int index) {
    // If the index is out of bounds or the node is empty, return
    if (index >= MAX_SIZE || tree[index] == -1) {
        return;
    }

    // Traverse the left subtree
    inorderTraversal(2 * index + 1);

    // Visit the current node (print its value)
    printf("%d ", tree[index]);

    // Traverse the right subtree
    inorderTraversal(2 * index + 2);
}
```

```
int main() {
    // Initialize all elements to -1 (empty nodes)
    for (int i = 0; i < MAX_SIZE; i++) {
        tree[i] = -1;
    }
}
```

```
// Manually insert values in the binary tree array (in level-order)
tree[0] = 1; // Root node
tree[1] = 2; // Left child of root
```

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tree[2] = 3; // Right child of root  
tree[3] = 4; // Left child of node 2  
tree[4] = 5; // Right child of node 2  
tree[5] = 6; // Left child of node 3  
tree[6] = 7; // Right child of node 3  
  
// Perform in-order traversal and display the tree  
printf("In-order Traversal of the Binary Tree:\n");  
inorderTraversal(0); // Start from the root (index 0)  
  
return 0;  
}
```