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# Stacks and Trees
## Binary Tree
Write a constructor function called BinaryTree with no arguments. It
should initialize one attribute:
* `head` with `null` o
* `root` with `null`
The methods that you will implement are:
* add (create a new Node)
* traverseDFS
* traverseBFS
```javascript
const tree = new BinaryTree();
tree.add(4);
tree.add(2);
tree.add(7);
tree.add(1);
tree.add(3);
```markdown
```javascript
tree.traverseDFS(function(e) { console.log(e); });
// 4
// 2
// 1
// 3
// 7
tree.traverseBFS(function(e) { console.log(e); });
// 4
// 2
// 7
// 1
// 3
Balanced Parenthesis
Write a function called isBalanced that receives a string and returns
true if the parenthesis are balanced, false otherwise:
```javascript
isBalanced("((((())))"); // true
```

```
isBalanced("(((()))"); // false
isBalanced("())(()"); // false
```
```