

# 020. Valid Parentheses

## 020 Valid Parentheses

- Stack
- String

### Description

Given a string containing just the characters '(', ')', '{', '}', '[' and ']', determine if the input string is valid.

The brackets must close in the correct order, "()" and "()[]{}" are all valid but "(" and "([)]" are not.

### 1. Thought Line

(1) char to string

### 2. Stack

```
class Solution {
public:
    bool isValid(string s) {
        stack<char> stk;
        for (auto &c:s){
            string temp = ""; // for char to string
            if (!stk.empty() &&
                (temp+stk.top()+c=="()" || temp+stk.top()+c=="{}" || temp+stk.top()+c=="[]"))
                stk.pop();
            else stk.push(c);
        }
        return stk.empty()?true:false;
    }
};
```