020. Valid Parentheses

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- **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

```cpp
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;
    }
};
```