20. Valid Parentheses *

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Total Accepted: 136485 Total Submissions: 439369 Difficulty: Easy

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.

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```
class Solution {
    public:
 2
 3
        bool isValid(string s) {
 4
             std::stack<char> stack;
 5
             for (auto& it: s) {
 6
                 if (!stack.empty()) {
 7
                     switch (stack.top()) {
                     case '(':
 8
                          if (it == ')') stack.pop();
 9
10
                         else stack.push(it);
11
                         break;
12
                     case '[':
                          if (it == ']') stack.pop();
13
                         else stack.push(it);
14
15
                         break;
                     case '{':
16
                         if (it == '}') stack.pop();
17
18
                         else stack.push(it);
19
                         break;
20
                     default:
21
                          stack.push(it);
22
                         break;
23
                     }
                 }
24
                 else {
25
                               Send Feedback (mailto:admin@leetcode.com?subject=Feedback)
26
                     stack.push(it);
```

Custom Testcase

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☐ Notes

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