

```
1 #include <stdio.h>
2 #include <string.h>
3 int isValid(char *s) {
4     char stack[1000];
5     int top = -1;
6     for (int i = 0; s[i] != '\0'; i++) {
7         char c = s[i];
8         if (c == '(' || c == '{' || c == '[') {
9             stack[++top] = c;
10        }
11        else {
12            if (top == -1) return 0;
13            char topChar = stack[top--];
14            if ((c == ')' && topChar != '(') ||
15                (c == '}' && topChar != '{') ||
16                (c == ']' && topChar != '[')) {
17                return 0;
18            }
19        }
20    }
21    return top == -1;
```

```
23 int main() {  
24     char s[100];  
25     scanf("%s", s);  
26     if (isValid(s))  
27         printf("Output: true\n");  
28     else  
29         printf("Output: false\n");  
30     return 0;  
31 }
```

```
{}
```

Output: true