

VALID PARENTHESES

```
class Solution
{
    public boolean isValid(String s)
    {
        Stack<Character> stack=new Stack<>();
        for(char c:s.toCharArray())
        {
            if(c=='(' || c=='[' || c=='{')
            {
                stack.push(c);
            }
            else
            {
                if(stack.isEmpty()) return false;
                char top=stack.pop();
                if(c==')' && top!='(') return false;
                if(c==']' && top!='[') return false;
                if(c=='}' && top!='{') return false;
            }
        }
        return stack.isEmpty();
    }
}
```