**Valid Parentheses**

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

An input string is valid if:

1. Open brackets must be closed by the same type of brackets.
2. Open brackets must be closed in the correct order.
3. Every close bracket has a corresponding open bracket of the same type.

**Example 1:**

**Input:** s = "()"

**Output:** true

**Example 2:**

**Input:** s = "()[]{}"

**Output:** true

**Example 3:**

**Input:** s = "(]"

**Output:** false

Solution:

class Solution {

    public boolean isValid(String s) {

     Stack<Character>stack=new Stack<>();

     for(char c:s.toCharArray()){

         if(c=='('){

             stack.push(')');

         }

         else if(c=='{'){

             stack.push('}');

         }

         else if(c=='['){

             stack.push(']');

         }

         else if(stack.isEmpty()||stack.pop() !=c){

             return false;

         }

     }

     return stack.isEmpty();

    }

}