**20. Valid Parentheses**

Hint

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: (Dart)

void main() {

Check instance = Check();

print(instance.checkParenthesis("asbcubjkw)"));

}

class Check {

bool checkParenthesis(String value) {

List<String> listOfChar = value.split("");

bool correctString = true;

for(int i=0; i<listOfChar.length; i++){

switch(listOfChar[i]) {

case "(": {

if(listOfChar[i+1] != ")") {

correctString = false;

}

}

case "[": {

if(listOfChar[i+1] != "]") {

correctString = false;

}

}

case "{": {

if(listOfChar[i+1] != "}") {

correctString = false;

}

}

case ")": {

correctString = false;

}

case "}": {

correctString = false;

}

case "]": {

correctString = false;

}

}

if(!correctString){

break;

}

}

return correctString;

}

}