# 36. Valid Sudoku

## SOLUTION IN JAVA

class Solution {

public boolean isValidSudoku(char[][] board) {

Set<String> seen = new HashSet<>();

for (int i = 0; i < 9; ++i)

for (int j = 0; j < 9; ++j) {

if (board[i][j] == '.')

continue;

final char c = board[i][j];

if (!seen.add(c + "@row" + i) || //

!seen.add(c + "@col" + j) || //

!seen.add(c + "@box" + i / 3 + j / 3))

return false;

}

return true;

}

}