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Sudoku Solver

Try to solve the Sudoku Solver problem.

We'll cover the following
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Statement

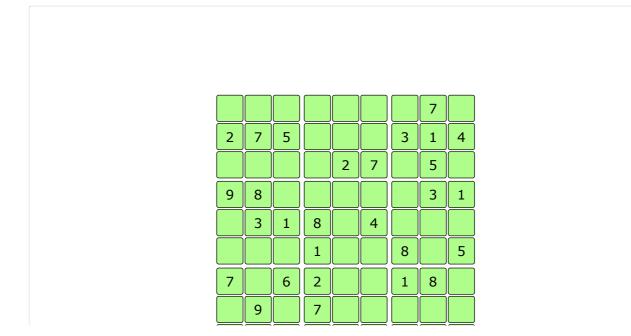
Given a 9×9 sudoku board, solve the puzzle by completing the empty cells. The sudoku board is only considered valid if the rules below are satisfied:

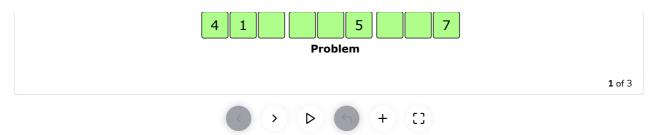
- Each row must contain digits between 1–9, and there should be no repetition of digits within a row.
- Each column must contain digits between 1–9, and there should be no repetition of digits within a column.
- The board consists of 9 non-overlapping sub-boxes, each containing 3 rows and 3 columns. Each of these 3 x 3 sub-boxes must contain digits between 1–9, and there should be no repetition of digits within a sub-box.

Constraints:

- board.length = 9
- board[i].length =9
- board[i][j] is a digit or ...
- The input board is guaranteed to have one solution.

Example





Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

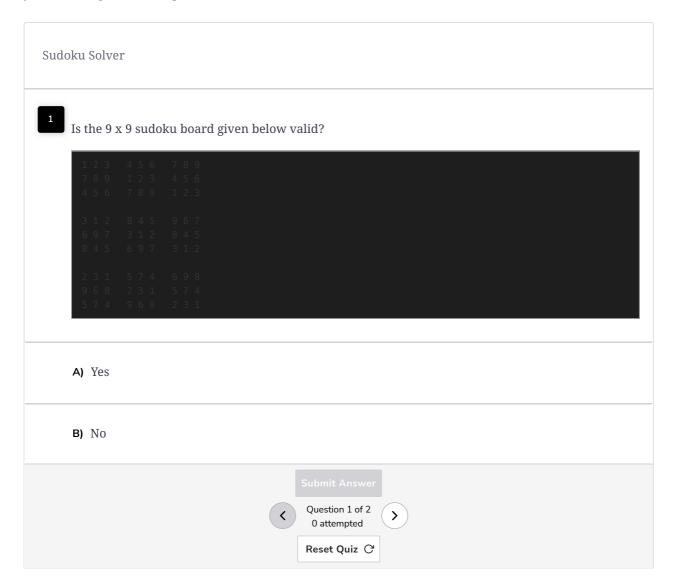


Figure it out!

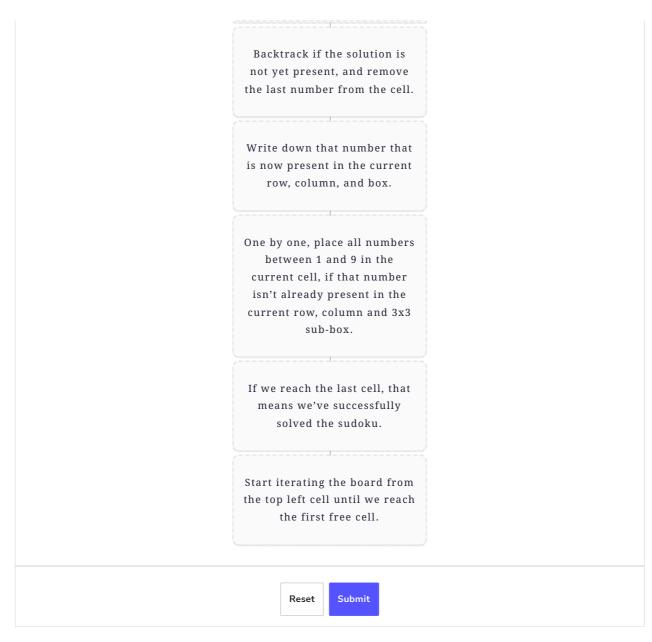
We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

Note: As an additional challenge, we have intentionally hidden the solution to this puzzle.

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To Drag and drop the cards to rearrange them in the correct sequence.

Else, we move to the next cell.



Try it yourself

Implement your solution in the following coding playground.

Note: We have left the solution to this challenge as an exercise for you. You may try to translate the logic of the solved puzzle into a coded solution.

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