Sudoku is a puzzle based on a small number of very simple rules:

1. Every square has to contain a single number.
2. Only the numbers from 1 through 9 can be used.
3. Each 3×3 box can only contain each number from 1 to 9 once.
4. Each vertical column can only contain each number from 1 to 9 once.

With the help of above rules, complete the following Sudoku Puzzle.