**Architecture:**

I approached the problem in a similar way, it is solved manually.

Steps:

1. Find an empty place
2. Take a number
3. Check if it is already present in a row.
4. Check if it is already present in a column.
5. Check if it is present in 3\*3 grid.
6. If decided number is not found to be present as per condition if step B, then enter it at empty place.
7. Repeat A to C if all the entered numbers are fitting at place. Else, undo the numbers to 0 indicating as empty is solution is not viable.

**Issues faced and solution to them:**

1. I want to print sudoku in readable format. It took me multiple runs to view output on console to make it perfect.
2. I need a simple calculation for finding correctly my 3\*3 grid. I tried a few calculations before coming up with final calculation.
3. I was always getting output as input grid is not correct. Then, on checking solve function carefully, I was able to figure out that I have not reset value for a given place to 0 if it is not solving sudoku. After resetting given place to 0, solution starts working.