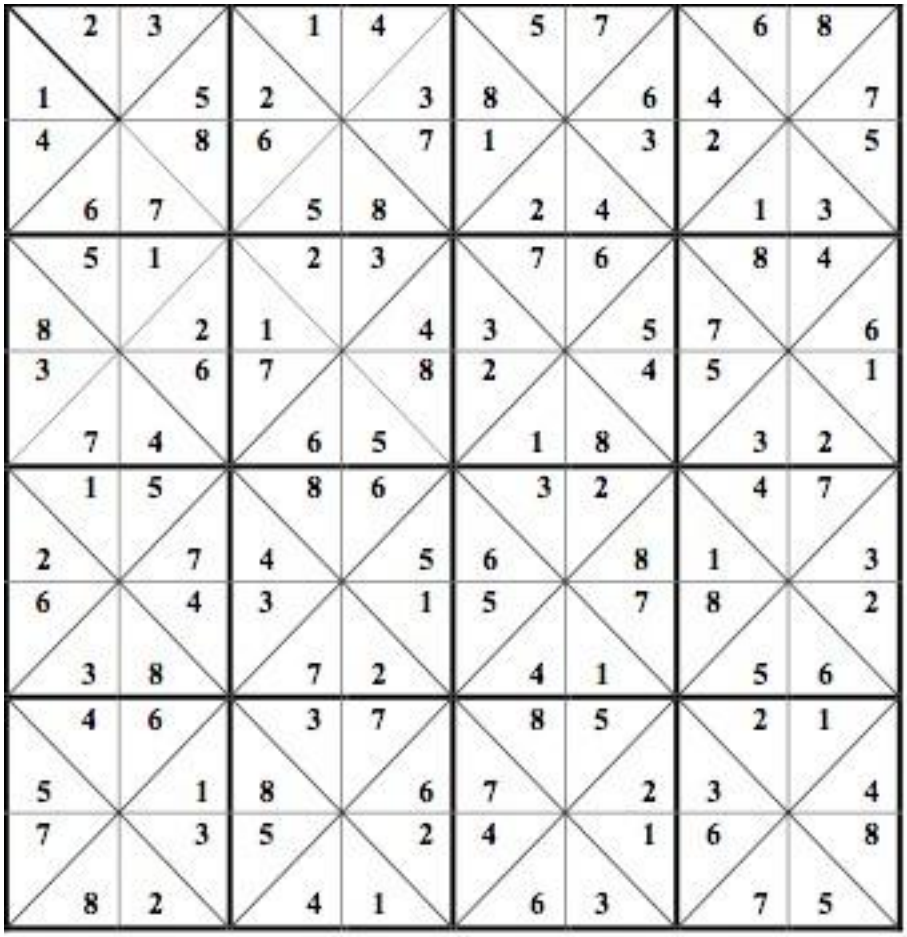
Will Sudoku puzzles

Easy 2 medium level

A new variant of Sudoku



Compiled By : Dr. Surendra Jain

100 tricky puzzles for everybody (incredibly simple and challenging)

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PREFACE

Will Sudoku is a newly discovered number puzzle similar to sudoku, but with different grid patterns. It contains 16 horizontal lines, 16 vertical lines and 16 square boxes, each containing 8 triangular cells. Thus, the Will Sudoku puzzle contains total of 128 cells as compared to 81 cells in classical Sudoku.

There are 3 variants of Will sudoku (other than square box) depending upon the box shapes. These variants are horizontal box, rectangular box and triangular box. In addition there is also a variable box shape Will Sudoku, where each of the 4 super cell can have different box shape.

This book contains a total of 100 puzzles of different variants of Will Sudoku puzzles. There are 20 puzzles each of square box, triangular box, horizontal box, vertical box and variable box shapes.

If you love number games and Sudoku, you will love Will Sudoku puzzles. The puzzles range from easy to medium difficulty level. You will have a lot of fun solving these newly discovered puzzles.

I have written a simple JAVA program (using brute force search) to solve all variants of Will Sudoku puzzles. The program can be downloaded for free from my website : sites.google.com/site/skjgeek

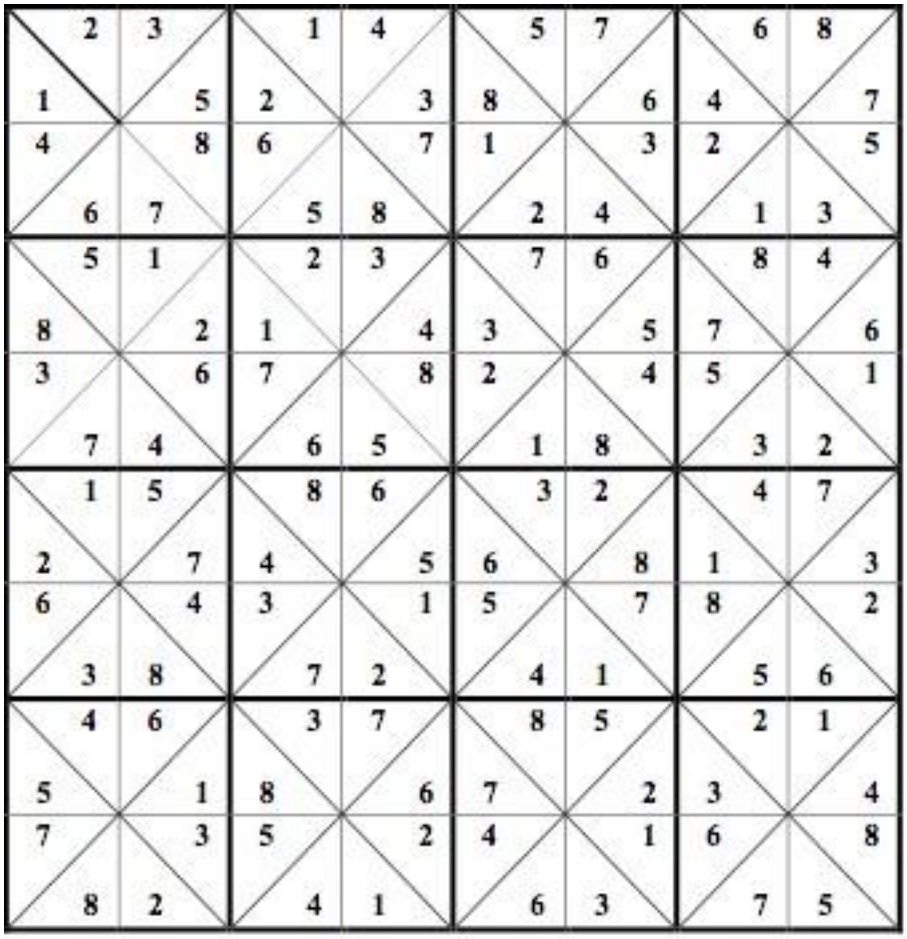
Any comments or feedback on these puzzles are most welcome. You can contact me at : **skjain.willsudoku@gmail.com** .

Dr. Surendra Jain

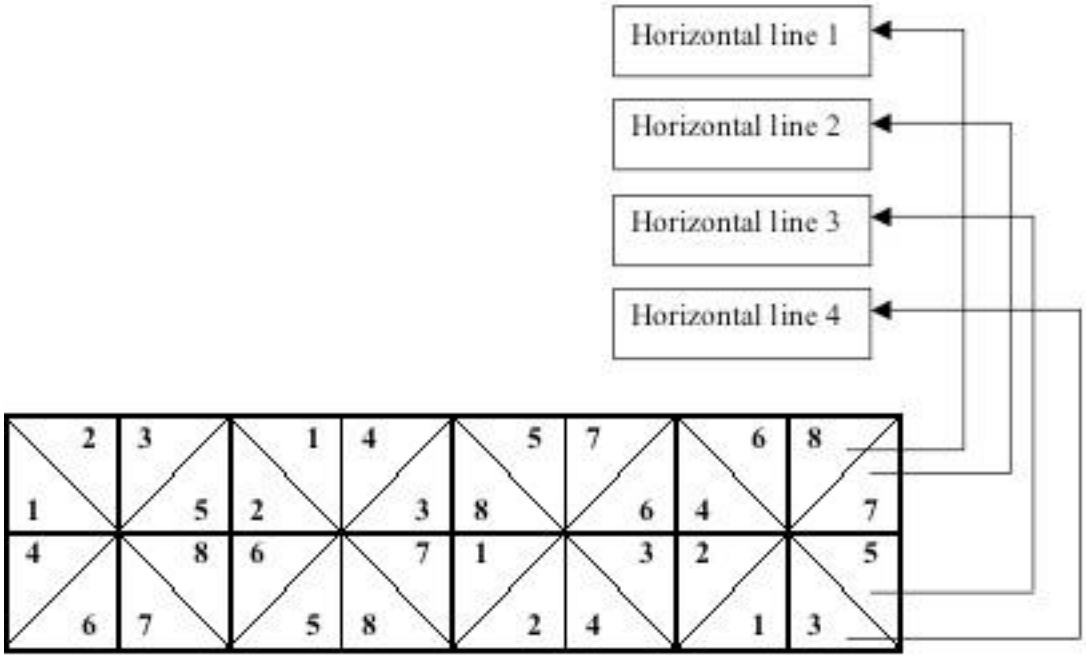
Will Sudoku

Will Sudoku is a different variant of Sudoku. It has a different grid formation as compared to classical Sudoku. Will Sudoku contains 16 square boxes where each square box contains 8 triangular cells. Thus, the total grid contains 128 cells as compared to 81 cells in classical Sudoku. Will Sudoku contain 16 horizontal and 16 vertical lines, each of which contains 8 triangular cells. The objective is to fill numbers from 1-8 in the triangular cells, such that each horizontal line (rows), vertical line (columns) and square box (or different box shapes like rectangular, horizontal or triangular) contains the numbers (1-8) exactly once.

The diagram below shows a completely filled Will Sudoku grid.



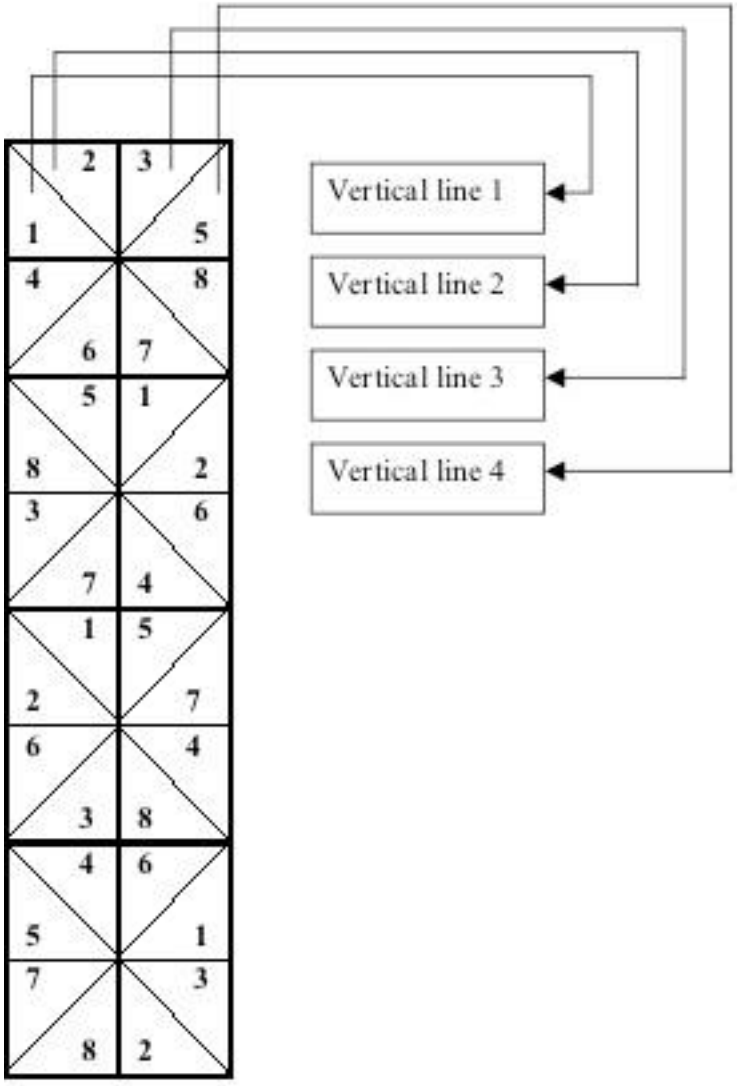
A diagram of Horizontal lines (rows) is shown below. Note each horizontal line (row) contains number 1-8 exactly once.



Horizontal line 1 contain numbers : 2,3,1,4,5,7,6,8
Horizontal line 2 contain numbers : 1,5,2,3,8,6,4,7
Horizontal line 3 contain numbers : 4,8,6,7,1,3,2,5
Horizontal line 4 contain numbers : 6,7,5,8,2,4,1,3

Each square box also contain numbers from 1-8 exactly once.

A diagram of Vertical lines (columns) is shown below. Note each Vertical line (column) contains number 1-8 exactly once.



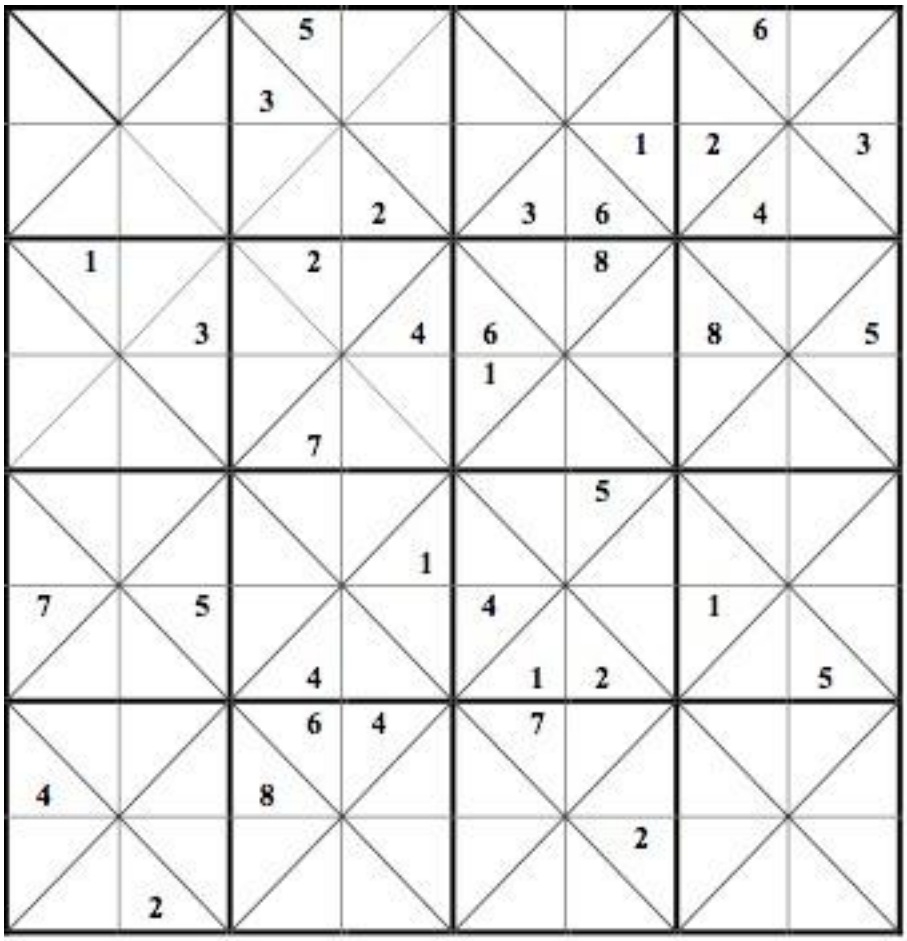
Vertical line 1 contain numbers : 1,4,8,3,2,6,5,7
Vertical line 2 contain numbers : 2,6,5,7,1,3,4,8
Vertical line 3 contain numbers : 3,7,1,4,5,8,6,2
Vertical line 4 contain numbers : 5,8,2,6,7,4,1,3

Each square box also contain numbers 1-8 exactly once.

Will Square Box Sudoku

Fill-in the grid in such a way that the numbers 1-8 appear only once in each of the rows and columns as well as the square boxes.

Puzzle 1



Puzzle 2