**Sudoku Puzzle**

**Problem Definition:**

Write a code for sudoku puzzle. The user will have a choice between 3 16x16 sudoku puzzles. Accept the row and column and the number to be entered. Conditions to solve a sudoku are:

1. Every row should have all numbers from 1 to 16.
2. Every column should have all the numbers from 1 to 16.
3. Every 4x4 box separated by the lines should have all numbers from 1 to 16.

**Input specifications:**

1.The choice of user for selection of any one sudoku puzzle out of three.

2.Numbers from 1-16 to be entered by the user to solve the sudoku.

3.Column no & Row no asked to let them choose their preferred position.

4.Integer 1 is asked to be typed by the user in order to continue solving further and 0 to exit.

**Output specifications:**

1.Sudoku of 16x16 is displayed on the output screen.

2.Various messages are displayed in order to ask the user for specific inputs.

3.Instructions are also given to inform the user if they enter any integer or number which is invalid or out of context.

**Special features:**

1.Special features are used horizontally as well as vertically to display a sudoku puzzle that clearly shows different boxes, rows and columns.

2.A line or two is left for neat spacing. This ensures that the user doesn’t face any problem while solving the sudoku and can clearly see different rows, columns as well as numbers.

**Output:**









