

Assignment Eleven – Expected Program Behavior for Running the Sudoku TreeSet

Expected Generated Solution Help File Formatting and Output (output will vary):

puzzleExample.txt → *help-puzzleExample.txt*

4 x 4 Sudoku Puzzle Values

	0	1	2	3
0	0	4	1	0
1	1	3	0	0
2	0	2	0	0
3	0	0	3	2

-- Row Help --

Row 0 Remaining Moves: [2, 3]

Row 1 Remaining Moves: [2, 4]

Row 2 Remaining Moves: [1, 3, 4]

Row 3 Remaining Moves: [1, 4]

-- Column Help --

Column 0 Remaining Moves: [2, 3, 4]

Column 1 Remaining Moves: [1]

Column 2 Remaining Moves: [2, 4]

Column 3 Remaining Moves: [1, 3, 4]

-- Mini-Grid Help --

Mini-Grid (0, 0) Remaining Moves: [2]

Mini-Grid (0, 2) Remaining Moves: [2, 3, 4]

Mini-Grid (2, 0) Remaining Moves: [1, 3, 4]

Mini-Grid (2, 2) Remaining Moves: [1, 4]

-- Cell Help --

Cell (0, 0) Remaining Moves: [2]

Cell (0, 2) Remaining Moves: [2]

Cell (0, 3) Remaining Moves: [3]

Cell (1, 0) Remaining Moves: [2]

Cell (1, 2) Remaining Moves: [2, 4]

Cell (1, 3) Remaining Moves: [4]

Cell (2, 0) Remaining Moves: [3, 4]

Cell (2, 1) Remaining Moves: [1]
Cell (2, 2) Remaining Moves: [4]
Cell (2, 3) Remaining Moves: [1, 4]
Cell (3, 0) Remaining Moves: [4]
Cell (3, 1) Remaining Moves: [1]
Cell (3, 2) Remaining Moves: [4]
Cell (3, 3) Remaining Moves: [1, 4]

puzzleSolved.txt → *help-puzzleSolved.txt*

9 x 9 Sudoku Puzzle Values

	0	1	2	3	4	5	6	7	8
0	1	4	2	9	7	3	6	8	5
1	6	3	7	5	2	8	4	9	1
2	5	8	9	6	1	4	3	7	2
3	4	6	3	2	5	7	9	1	8
4	2	9	8	3	6	1	7	5	4
5	7	5	1	4	8	9	2	6	3
6	3	7	4	8	9	5	1	2	6
7	9	2	5	1	3	6	8	4	7
8	8	1	6	7	4	2	5	3	9

Congratulations! This Sudoku puzzle has been solved!