Sudoku.py

Description

this Python script will read a given 9 x 9 Sudoku puzzle that is entered as a ';' delimited csv file. The given puzzle must have a valid solution i.e. no given errors. The csv files must be stored in the same folder as the script. It will create a solution csv file saved as the given file name. On option to display the the unsolved puzzle and the solution to the terminal is included

The algorithm uses recursive backtracking as described in WPI CS 5007 Lecture 10-1

How to Run

insure that the desired puzzle csv files are in the same folder as the script.

In the terminal or shell run the script with 3 arguments as

python3 sudoku.py open_file.csv save_file.csv display_boolean

Run Example

python3 sudoku.py sudoku1.csv solution1.csv True

or

python3 suduku.py suduku2csv solution2.csv False

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https://techwithtim.net/tutorials/python-programming/sudoku-solver-backtracking/