

Operating Systems: Project 1 (Sudoku Verification Program)

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1 WHY DID YOU CHOOSE THE NUMBER OF THREADS USED IN YOUR PROGRAM?

In project 1: Creating a Sudoku Validation Program, I chose to use 11 Threads:

1. Rows
2. Columns
- 3-11. SubSquares

I chose to create a program with 11 threads to uniquely identify parts of the puzzle that must be accounted for. Since you can iterate well through rows and columns of 9, I decided to group all rows together, and all columns together. Also, I felt it was important to separate the threads for each 3x3 subsquare of the puzzle, to ensure each individual square was correctly defined and accounted for. In a personal opinion, I felt using the maximum of 27 threads too much individuality of threads, and therefore found a middle ground that will identify the necessary parts of a sudoku puzzle in order to verify its contents.