

In this Lab, we first solve the sudoku by a “solver” which take a row and column as arguments. It solves the data in that argument recursively by using a “checker” to check which number (1-9) fits in that location. After that, we create 11 threads to validate the solution. The first thread uses rowValidator to validate the row. The second thread uses colValidator to validate the col. The other threads use subGridValidator to validate the 9 sub grids. The validator will return 0 if there is a duplicate data in that row, column or sub grid.