GRAPHIC ERA DEEMED TO BE UNIVERSITY



MINI PROJECT:

SUDOKU

SUBMITTED BY:

NAME: PALAK AGARWAL

SECTION: F (3rd SEM)

UNIVERSITY ROLL NO: 2014755

ADMISSION NUMBER: 19022405

CLASS ROLL NO: 41

INPUT: A partially filled 9X9 2- D matrix having 9 cells of 3X3. Allowed digits are from 1 to 9 and no number should be repeated in a single column/row/sub matrix.

OUTPUT: Solved Sudoku

EDGE CASES

* Input is a invalid Sudoku then print error message for the user.
* If Sudoku is completely filled/solved print message for user.

APPROCH

* Find out a cell which is empty-keep the track of the column number and the row number.
* Consider a number to be filled in the empty cell. First checks if it is safe, if yes then assign that number to the empty cell otherwise try a different number.
* Similarly try to fill the other empty cells recursively.