Lec-21

29/09/25 12:58 PM

1 to 9

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 3 | 1 | 2 | 7 | 6 | 4 | 9 | 8 |
| 6 | | | 1 | 9 | 5 | | | |
| | 9 | 8 | | | | | 6 | |
| 8 | | | | 6 | | | | 3 |
| 4 | | | 8 | | 3 | | | 1 |
| 7 | | | | 2 | | | | 6 |
| | 6 | | | | | 2 | 8 | |
| | | | 4 | 1 | 9 | | | 5 |
| | | | | 8 | | | 7 | 9 |

A partially filled sudoku which is valid.

1 to 9

```
public static boolean Print(int[][] grid, int row, int col) {
    if(grid[row][col]!=0) {
        return Print(grid, row, col+1);
    }
    else {
        for (int val = 1; val <=9; val++) {
            if(issafe(grid,row,col,val)) {
                grid[row][col]=val;
                boolean ans=Print(grid, row, col+1);
                if(ans==true) {
                    return true;
                }
                grid[row][col]=0;
            }
        }
    }
    return false;
}
```