

In [4]: *#Name: Mohith Dande*

Given Puzzle

```
- - 3 -  
- 3 - 1  
3 - - -  
- 1 - -
```

Simple Logic Steps:

1. Understand the rules: Each row, column, and 2x2 box must have the numbers
2. Start with filled numbers and fill in the easiest rows/boxes first.
3. Use elimination: If a number already appears in a row, column, or box, it
4. Fill one cell at a time, checking all constraints.
5. Double-check that each row, column, and box has unique numbers 1-4.

By Solving this, We get:

```
1 4 3 2  
2 3 4 1  
3 2 1 4  
4 1 2 3
```

Validation:

1. All rows contain 1-4
2. All columns contain 1-4
3. All 2x2 boxes contain 1-4

In [1]: