

<b>Course Code:</b> EL-213	<b>Course Name:</b> Computer Organization & Assembly Language	
<b>Student IDs</b>		
<b>Instructor:</b> Syed Zain Ul Hassan	<b>Time Allowed:</b> 20 min	<b>Marks:</b> 0

### Challenge# 1:

In a MINI-SUDOKU, we have a 4x4 grid (as shown in the diagram) with the following conditions:

- (i) Each cell can only contain digits 1, 2, 3, 4, 5, 6, 7, 8, 9.
- (ii) Each digit can appear at most twice in the grid.
- (iii) A digit cannot appear in a row or column twice.

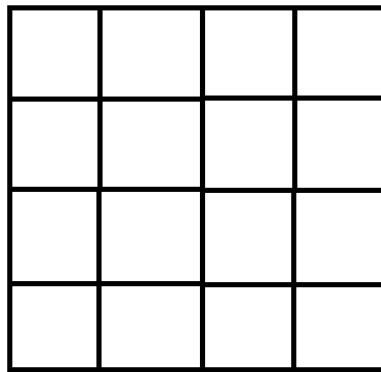


Fig. 1 A 4x4 MINI-SUDOKU GRID

Write an Assembly Language program that lets user input all the values & play the game.

*~ May the odds be with you*