

# Connect Four User Manual

Connect Four in Mat Lab is a text-based recreation of the physical game Connect Four. In Connect Four two players take turns selecting a column to place their piece. In this case, the piece is either a 1 for Player 1's piece or a 2 for Player 2's piece. The piece then drops down into the lowest row on the game board. A win is determined when four 1s or four 2s are in either a vertical, horizontal, positive diagonal, or negative diagonal pattern with no breaks. A tie is determined when every slot on the game board has been filled without four simultaneous pieces in a row.

## Instructions:

- Open Mat Lab and Load Connect Four (Connect4.m, next\_location.m, next\_row.m, place\_piece.m)
- Click the code and hit the "Run" button on the top of the screen
- Player 1 will start and be asked to select a column (1 -7)
- Player 2's turn will happen after Player 1's turn
- The game will continue going back and forth until a win or a tie is determined
- The game will stop after a win or tie happens
- Hit "Run" and play again.