

Assignment 2: Tic Tac Toe

Due: October 22

You will create a Matlab script to play Tic Tac Toe. You will need to automatically generate the computer player's moves.

Requirements:

- 1.) Comment section at the top with your name, date and a short description of what your code does.
- 2.) The program should begin with a welcome message and a prompt asking the user if they would like to play a game.
- 3.) Show game board.
- 4.) Prompt user for move.
- 5.) Display updated game board.
- 6.) Generate computer move.
- 7.) Keep going until there is a winner or no more available moves.
- 8.) You must use at least one **for** loop, one **while** loop and one **break** statement.
- 9.) Ask the user if they would like to play again. Restart game if yes.
- 10.) Show final prompt with game result and a finishing message.

Bonus Requirements Challenge (Worth extra points if correct):

- 1.) Ask the user if they want to go first or not and allow computer to go first if applicable (5 bonus points)
- 2.) Make computer impossible to beat (tie every time). (10 bonus points)