Assignment 3: Tic Tac Toe

Due: October 15th

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. At the completion of each game, the program should ask if the user would like to play again. This should continue until the user says no and the program should give a farewell message.
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.) Show final prompt with game result and a finishing message.
9.) Once a space is taken, another player cannot move to that spot.
10.) Use at least one while loop
11.) Use at least one for loop.
12.) Use at least one break statement.

Bonus Requirements Challenge (Worth extra points if correct):

1.) Allow computer to go first (5 bonus points)
2.) Make computer impossible to beat (tie every time). (10 bonus points)