Homework 3:

Due 7/16/2018

In this homework you will program a functioning two player tic-tac-toe game. The players in this game will be identified by a player number (1 or 2). Player 1 will be “X” and player 2 will be “O”. For this homework, you will need to use lists, if-elif-else statements, while loops and (probably) several of the operations we have learned so for (such as how to work with lists, how to find the reminder in a division, etc).

1. Create a function that clears the screen and then draws a tic-tac-toe grid with a special character in each box of the grid (numbers 1-9 an X or an O).
2. Create a function that takes the player number (1 or 2) as input and gets a valid move from the player (the function must check that the move is valid and if it isn’t the function must continue to prompt the user until he/she enters a valid move).
3. Create a function that checks if a player has won and if so returns the player number and if not returns the value 0.
4. Use the functions in problems 1,2, and 3 to create a functioning tic-tac-toe game.