CS49C: Section 1, Fall 2015

Program #3: Connect Four (100 Points)

Due Date: Nov 24, 2015

Description:

You are responsible to implement the Connect Four game ->https://en.wikipedia.org/wiki/Connect_Four. You will prompt for the user for the number of players, either 1 or 2. For the 2 players case, you will prompt each user to make a move alternately on the column # (1-7). You will display the board after each move. The board will be drawn on the command line as a 7 x 6 matrix of 1's and 2's. Put a 0 on an empty spot. Player 1 will always have 1's and player 2 will always have 2's.

For example: After 3 moves - player 1 inputted 4; player 2 inputted 5; player1 inputted 5

Once a player has 4 1's or 0's in a row (horizontally, vertically, or diagonally). Then you declare the winner.

For the 1 player versus the computer scenario, computer will always make the first move. Thus computer has 1's and player has 2's. Since the computer moves first, your program should not lose to the human player in the first 20 moves. Otherwise 15 points will be taken off.

Program Specification:

Program Checklist:

You will submit p3.c files and readme.p3.