井字遊戲

Tic-Tac-Toe (井字遊戲) is a game for two players, X and O, who take turns marking the cells in a 3x3 grid. The player who succeeds in placing three of their marks in a ho rizontal, vertical, or diagonal row wins the game. The following example game is won by the player X.



Step	what program do	Action and Presentation			
1	Inform both players about the	Draw a 3x3 board that shows position			
	positions 1~9 of the board at the	numbers 1~9 in the corresponding cells			
	beginning of the game.	of the board.			2
			4	5	6
			7	8	9
2	Keep track of whose turn it is.	Indicate the current player (X		_	9
3	Allow a player to select a cell	A player can select a cell from the board			
3	1~9 in the board at each round.	by entering 1~9 at each round. A cell			
	Make sure disallow illegal moves.	that had been selected cannot be			
	Wake sure disanow megar moves.	selected again. In addition, show			
		feedback to the player about an illegal selection, ask the player to enter the			
		selection again			
		until a legal selection is entered.			
4	Place selected marks (X or O) in	Draw the selections (Xs and C			
	the specified position of the	beginning to the current round. Let			
	board.	those cells without selection be blank.			
5	Implement the winning rule.	For a player, if there are three of his/her			
		marks (selections) in a horizontal,			
		vertical, or diagonal row, he/she wins			
		the game.			
6	Determine whether or not there	If there is a winner, show the winner,			
	is a winner at each round.	show the board, and terminate the			
		game. If there is no winner, simply show			ow
		the current board to let the players			
		know the current selections.			

Program output: (The output in Cygwin is as good as I expect, all the lines are in alignment, but there is something wrong when I paste Cygwin output on word.)

(o) Select [1-9]: 9

(X) Select [1-9]: 8

(0) Select [1-9]: 4

(0) Select [1-9]: 7

Tie. Bye~