Pseudocode

```
Create a board class to keep track of state of board
This class should have a private char array for representing board
boolean - gameOver
Some of it's functions are
Construct blank board
print board
Get value at position (x,y)
set value at position (x,y)
check if board is full (3 x's and 3 o's)
check if player has won
```

Take in integer for which player

If all pieces aren't on board

prompt user to place pice

if user places at taken position or incorrect location

prompt user to enter something else

else if all pieces are on board

prompt user for which piece they want to move

prompt user for where they want to place piece

set old poisition back to "*"

-----Main Loop-----

mark new position with piece

Declare board object.

create turn variable and set to 0

Begin game in while loop on gameOver boolean.

print board

if turn is even, it's player one's turn if turn is odd, it's player two's turn run turn function

check if player has won.

add one to turn variable

When the game is over print out "Game over!", print the board and say which player one (can figure out from turn count).

Assignment 4 Testing Plan

* sorry I'm handwriting this but I really didn't want to hatex up the board configurations

Move	Expected Output
0.12 input 0 place X 1 at 0,0	0 12 0 X
0 1 2 input 0 1 2 piace x 1 x x - at (913) 2	"illegal move, please choose another spot"
1 X · Y move (1/2) 2 X X · +0 (0/0)	output "player olx v one wins! 1)