

Fundamentals of Computer Programming

CSE 114

Assignment 3

Write a C program that allows two users to play XOX game:

1) Ask the first user for a coordinate. (e.g. 1 2 or 3 3) Show the current board to the users. You should separate each cell of your 3x3 board with “|” and “-”.

2) Then ask the second user for a coordinate. Show the current board to the users.

3) If there is a vertical, horizontal or diagonal alignment of a players Xs or Os then finish the game and declare the winner (Print who won the game).

WARNING: You must use **for** statement for this assignment. If you do not use for in your algorithm, you will not get a grade. As always **clean code** is mandatory. If you do not have clean and readable code, you will your grade will drop.

Example:

Welcome to the Yusuf Can's XOX Game:

Player 1(X) Enter Coordinate: 3 2

```
  |  | 
-- -- --
  |  | 
-- -- --
  | X |
```

Player 2(O) Enter Coordinate:1 2

```
  | O | 
-- -- --
  |  | 
-- -- --
  | X |
```