

Module 2 – Assignment

Create a TicTacToe Board application that displays a tic-tac-toe board with an X in the center. It should also display the rules for playing tic-tac-toe. Place each rule on a separate line and place a blank line between rules.

The application output should look similar to:

```
      |      |
      |      |
      |      |
-----
      |      |
      |      |
      x      |
      |      |
      |      |
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      |      |
      |      |
      |      |
```

Tic Tac Toe Rules

Tic Tac Toe is a game for 2 players.

1. A grid of 9 squares is drawn.
2. The first player draws an X in an empty square.
3. The second player draws an O in an empty square.
4. Steps 2 and 3 are repeated until a Tic Tac Pattern is created:
Patterns can e diagonal, horizontal, or vertical.
5. A winning pattern is completed by drawing a line through the pattern.

Reminders:

- A mark of level 4 will only be achieved if you use many of the programming concepts from this unit (print(), println(), format(), escape sequences)
- Project folder name should be “Last Name, First Name – Mod 2 Asn – TicTacToe”
- Submit to dropbox on completion
- There is NO need to create or include a pseudocode component for this assignment

Module 2 – Assignment – Tic Tac Toe Rubric

Categories	Level 1 (50 – 59%)	Level 2 (60 – 69%)	Level 3 (70 – 79%)	Level 4 (80 – 100%)
Program Submission	Program was not submitted properly	Serious or multiple omissions with assignment submission (such as incorrectly placed in dropbox, incorrect naming convention, late)	Small omission with assignment submission (such as incorrectly placed in dropbox, incorrect naming convention, late)	Program was submitted to the dropbox correctly, using proper naming conventions, on time
Program Execution	Program doesn't run properly, or the display has serious omissions.	Program runs properly. Display has omissions.	Program runs properly. Display is correct with only minor omissions.	Program runs properly as is. The output is identical or superior to the sample provided.
Source code	Coding convention (refer to note 2c) are missing or incomplete.	Coding conventions (refer to note 2c) are followed with some attention to detail	Coding conventions (refer to note 2c) are followed with considerable attention to detail	Coding conventions (refer to note 2c) are followed with thorough attention to detail
Programming Concepts	Few of the programming concepts from the unit are used properly	Some of the programming concepts from the unit are used properly	Most of the programming concepts from the unit are used properly	Many or all of the programming concepts from the unit are used properly to maximize the efficiency of the code