

Kingdom of Saudi Arabia
Ministry of Higher Education
King Abdulaziz University
Faculty of Computing and Information
Technology In Rabigh



المملكة العربية السعودية
وزارة التعليم العالي
جامعة الملك عبد العزيز
كلية الحاسبات وتقنية المعلومات برابغ

Assignment#1
First Semester
Session 1440/1441 AH

Student Name	:		
Student ID	:		
Student Signature	:		
Department	:	Department of Computer Science	Mark
Course Code	:	COCS 203	1
Course Name	:	Programming II	
Date of assignment	:	21/ 9/ 2019	
Due Date	:	11:00 PM	
Number of Pages	:	3	

Exercise

□ **Tic-tac-toe** is a paper-and-pencil game for two players, X and O, who take turns marking the spaces in a 3×3 grid. The player who succeeds in placing three of their marks in a horizontal, vertical, or diagonal row wins the game.

□ **Game rules:**

- Check row
- Check column
- Check diagonals

□ **Output:**

- Win
- Lose
- Draw/Tie



□ **Sample Output:**

```
run:
Let's play TicTacToe -- X goes first

-|-|-
-|-|-
-|-|-

Enter coordinates to play your X
0 0

X|-|-
-|-|-
-|-|-

Enter coordinates to play your O
0 0
That location is occupied
Enter coordinates to play your O
1 0

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

Enter coordinates to play your X
1 1

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

Enter coordinates to play your O
2 1

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

Enter coordinates to play your X
2 2
X You Win!!!

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

BUILD SUCCESSFUL (total time: 49 seconds)
```