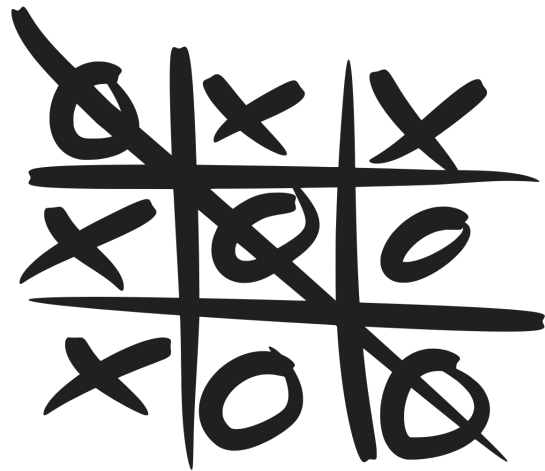


# #CodeYork

Session 5

# Tic-tac-toe

- Tic-tac-toe is a game for two players, X and O.
- 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 win.



**Note:** What's wrong with the picture?



# Representing the Game Board

- Similar to with connect four, a good representation would be to use 2D arrays.

board[0][0]	board[0][1]	board[0][2]
board[1][0]	board[1][1]	board[1][2]
board[2][0]	board[2][1]	board[2][2]

```
[[None, None, None],  
 [None, None, None],  
 [None, None, None]]
```



# Thanks!

Contact us:

[gjc510@york.ac.uk](mailto:gjc510@york.ac.uk)

[jr1161@york.ac.uk](mailto:jr1161@york.ac.uk)

<https://york.gjcampbell.co.uk/>

