

Code Exercise

Take your time to implement the following coding problem using your language of choice. Please provide a README file that explains how to run your program and any dependencies that are required. Also, feel free to include a batch or power shell script to execute your program.

Connect Four

You are writing a game to play connect four. If you are unfamiliar with the rules of connect four you can read them here: <http://www.andersbaumann.dk/connectfour/rulesConnectFour.html>

Please take your time to demonstrate the highest quality solution you can and cover off the following Acceptance Criteria:

Acceptance Criteria

Scenario One (Yellow wins - Horizontal)

Scenario Two (Red wins - Vertical)

Scenario Three (Yellow wins diagonal)

Scenario Four (Draw)

Scenario Five (Invalid board dimensions)

Scenario Six (Invalid move)

Your program must accept the following inputs and provide the following outputs (as an example):

```
> Please enter the board dimensions (number of rows, number of columns)
> 5 5  (board initialisation)
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
> Yellows turn:
> 1
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
y 0 0 0 0
> Reds turn:
> 2
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
y r 0 0 0
> Yellows turn:
> 1
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
y 0 0 0 0
y r 0 0 0
y r 0 0 0
> Reds turn:
> 2
0 0 0 0 0
0 0 0 0 0
y r 0 0 0
y r 0 0 0
y r 0 0 0
y r 0 0 0
> Yellows turn:
> 1
0 0 0 0 0
0 0 0 0 0
y 0 0 0 0
y r 0 0 0
y r 0 0 0
y r 0 0 0
> Yellow WINS !
```

