

5 in a row Challenge

Instructions to Run:

Open command prompt and cd into folder

Server

Then run `javac Server.java`

```
C:\Users\I342041\Desktop\test\Connect5-Java-Client-Server-master>javac Server.java
C:\Users\I342041\Desktop\test\Connect5-Java-Client-Server-master>
```

To Start Server run `java Server <PORT>`

```
C:\Users\I342041\Desktop\test\Connect5-Java-Client-Server-master>java Server 8080
Attempting to Start Connect5 Server..
Starting the socket server at port:8080
Waiting for Player 1
```

Client

Run `javac Client.java`

To Start Client run `java Client <PORT>`

```
C:\Users\I342041\Desktop\test\Connect5-Java-Client-Server-master>java Client 8080
Welcome Player to Connect 5
Please Enter Your Name:
```

After two clients connect and both players enter their names the game will start.

```
Please Enter Your Name:
Tom
- - - - -
Current Grid
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

It's your turn Tom, Enter a column number (1-9):
4
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
[ ] [ ] [ ] [X] [ ] [ ] [ ] [ ] [ ]

Please wait for other players move
```

Code I wrote to check 5 in a row diagonally:

When player makes a move take their position and get the 2 diagonals running through it.

For each diagonal store all its elements in a simple char array then check this array for 5 of the counter in a row

