Before starting the game, client and server should send a message to each other.

Type "/game" in the Client, which can start the game Tic-tac-toe. Client will send an invitation message to server. After server agree to join in the game, the Client can choose the chess. Chess "X" moves first. If server refuse the Client's invitation. The client side can send message to server.

After the game is over, the server side can send messages to client. (Note: In the game, both of server and client cannot exit the game by typing "/q").

I assume the players can input the valid characters or numbers following the prompt.

Screenshot:

Client chess: "X"

## Client chess: "O"

```
drop chess
0 | 1 | 0
_ | _ | _
3 | X | 5
                                                                                                      x | 7 | 8
server drop chess on: 1
0 | X | 0
_ | _ | _
3 | X | 5
                                                                                                      X | 7 | 8
choose where
0 | X | 0
_ | _ | _
3 | X | 5
                              to play chess(0-8):7
           \overline{X} \mid \overline{0} \mid \overline{8}
                                                                                                      Please choose where to play chess(0-8):5

0 | X | 0

- | - |
3 | X | X
server drop chess on: 5
0 | X | 0
_ | _ | _
3 | X | X
                                                                                                                  x | 0 | 8
           X | 0 | 8
                                                                                                      choose where
                              to play chess(0-8):3
            \bar{0} \mid \bar{x} \mid \bar{x}
_ | _ | _
X | 0 | 8
server drop chess on: 8
0 | X | 0
           \bar{0} \mid \bar{x} \mid \bar{x}
```

## Error:

If the is an error: "Bind failed. Error Code: XXXX", please try to change the port number in the line 82 in Server\_chat.py and line 117 in Client\_chat.py, confirm they are the same number.