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CS 372

Project 4

To run this program in a terminal, navigate to the folder with the programs and enter “python server.py” to start the server first, then in another terminal start the client by entering “python client.py”. Follow the instructions in the terminal to chat with the server or play tic tac toe. The programs were created with python3 on a windows machine.

Chat and Game Screen Shot

```
PS E:\Francisco\Documents\School\OSU\23 Spring\CS 372 - Intro to Computer Networks\Project 4> python client.py
Connected to localhost on port: 56108
Type /q to quit
Enter a message to send. Please wait for input prompt before entering message...
Note: Type "play tic tac toe" to start a game of tictactoe
Enter input > Hello
From server: Hi! How are you?
Enter input > Good, you? Want to play tic tac toe?
From server: I am good. Yea!
Enter input > play tic tac toe
  1 | 2 | 3
A  |  | 
-----
B  |  | 
-----
C  |  | 
-----
Enter a row and then a column to place an X
Enter a row (A,B,C): A
Enter a col (1,2,3): 1
  1 | 2 | 3
A  X |  | 
-----
B  |  | 
-----
C  |  | 
-----
Enter a row and then a column to place an X
Enter a row (A,B,C): A
Enter a col (1,2,3): 2
  1 | 2 | 3
A  X | X | 
-----
B  |  | 
-----
C  |  | 
-----
Enter a row and then a column to place an X
Enter a row (A,B,C): A
Enter a col (1,2,3): 3
  1 | 2 | 3
A  X | X | X
-----
B  |  | 
-----
C  |  | 
-----
You won!
Enter input > /q
Shutting Down!
PS E:\Francisco\Documents\School\OSU\23 Spring\CS 372 - Intro to Computer Networks\Project 4>

PS E:\Francisco\Documents\School\OSU\23 Spring\CS 372 - Intro to Computer Networks\Project 4> python server.py
Server listening on localhost on port: 56108
Connected by ('127.0.0.1', 56108)
Type /q to quit
Enter a message to send. Please wait for input prompt before entering message...
Note: Type "play tic tac toe" to start a game of tictactoe
From client: Hello
Enter input > Hi! How are you?
From client: Good, you? Want to play tic tac toe?
Enter input > I am good. Yea!
  1 | 2 | 3
A  X |  | 
-----
B  |  | 
-----
C  |  | 
-----
Enter a row and then a column to place an O
Enter a row (A,B,C): C
Enter a col (1,2,3): 1
  1 | 2 | 3
A  X | X | 
-----
B  |  | 
-----
C  O |  | 
-----
Enter a row and then a column to place an O
Enter a row (A,B,C): C
Enter a col (1,2,3): 3
  1 | 2 | 3
A  X | X | X
-----
B  |  | 
-----
C  O |  | O
-----
You lost!
Client requested shutdown. Shutting Down!
PS E:\Francisco\Documents\School\OSU\23 Spring\CS 372 - Intro to Computer Networks\Project 4>
```