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How to compile and run your code under Linux environment:

- First you have to compile your server class (javac server.java)
- Then you compile your client class (javac client.java)
- Start the server.java file (java server)
- Start the client.java file (java client)

• Description of your code structure.

- The server waits until a client connects to the server
- Once the client is connected to the server the will prompt the client for an input of
- {Joke 1, Joke 2 , Joke 3 or exit} *Capital letter matter*
- If none of these prompts are selected the server will return an error page
- If Joke 1-3 is selected it will send the corresponding joke to the client and prompt them again
- If exit is selected it will disconnect from the server

• Show some execution results.

- Server compilation and terminal output

```
C:\netwroking\Networking\Assignment1>javac server.java

C:\netwroking\Networking\Assignment1>java server
Client Connected
clients response is : Joke 1
Client Connected
clients response is : Joke 2
Client Connected
clients response is : Joke 3
Client Connected
clients response is : joke 2
Client Connected
clients response is : joke
Client Connected
clients response is : Exit
Client Connected
clients response is : exit
```

- C:\netwroking\Networking\Assignment1>|
- Client compilation and terminal output

```
C:\netwroking\Networking\Assignment1>javac server.java

C:\netwroking\Networking\Assignment1>java server
Client Connected
clients response is : Joke 1
Client Connected
clients response is : Joke 2
Client Connected
clients response is : Joke 3
Client Connected
clients response is : joke 2
Client Connected
clients response is : joke
Client Connected
clients response is : Exit
Client Connected
clients response is : exit

C:\netwroking\Networking\Assignment1>|
```

Lesson learned

- Although I thought I had a pretty good understanding on how clients and servers work in the grand
- Scheme of things there were a lot of minor communication I overlooked and did not consider before
- Completing this project helped me understand how clients and servers interact by creating a bare bones
- Implementation of a client server procedure

Any additional comments.

- Hope you enjoy my jokes!