NWEN243 - Project 2 - Images and Explanations
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Image 1 (1.jpg):
- Shows server and client connection on local machine.
- Server side shows when a client is connected and disconnected.
- Server side compiles and runs the server code establishing a port at 5001.
- Client side shows it compiles and runs the client connection via connecting to localhost at port 5001 and requests a year to be returned.
- Client side prints out the song information that is sent by the server and disconnects.
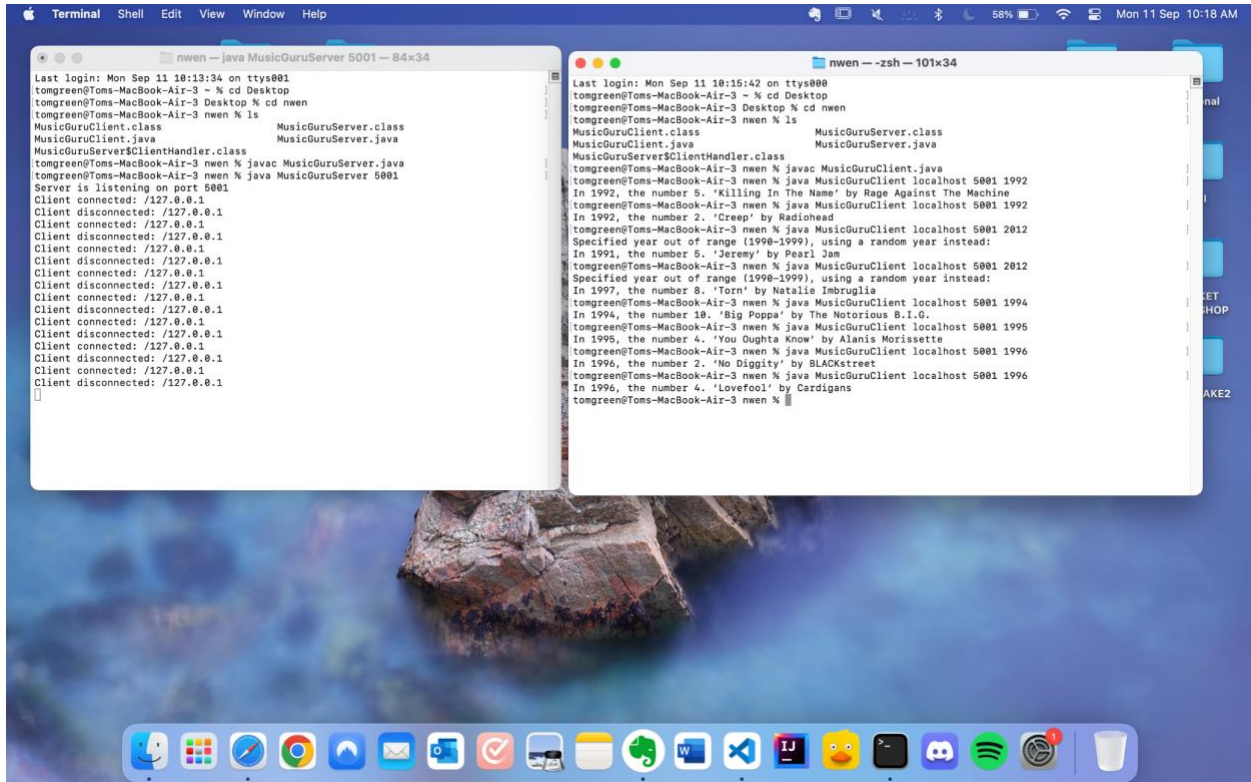
Image 2:
- Shows uploading the MusicGuruServer code to my AWS instance via the terminal.
- On the left side is the instance terminal connected through ssh and shows the MusicGuruServer now in the instance
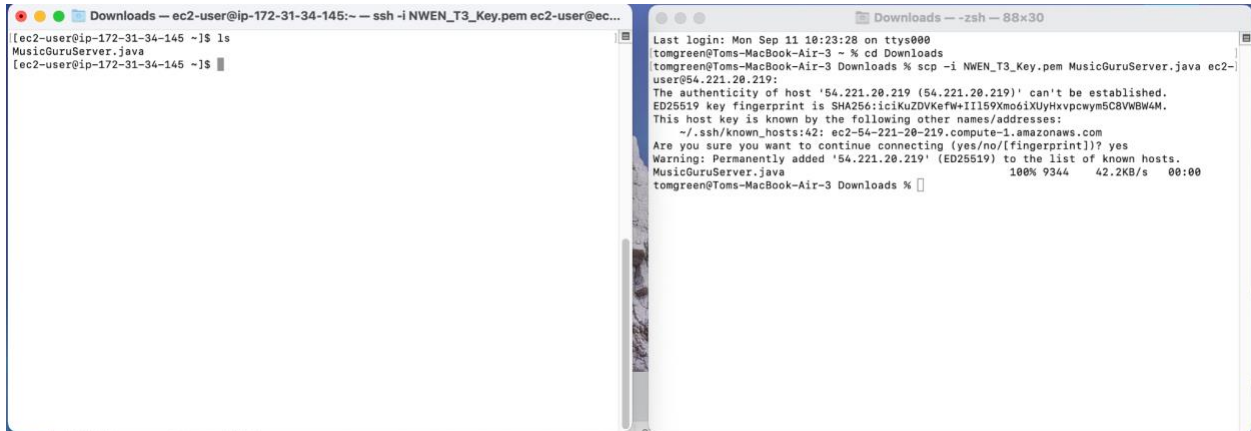- On the right side is the local machine terminal showing the uploading of MusicGuruServer to the instance IP.

Image 3 (2.jpg):
- Shows server and client connection from instance and local machine.
- Server side shows when a client is connected and disconnected.
- Server side compiles and runs the server code establishing a port at 5001.
- Client side shows it compiles and runs the client connection via connecting to instance IP at port 5001 and requests a year to be returned.
- Client side prints out the song information that is sent by the server and disconnects.
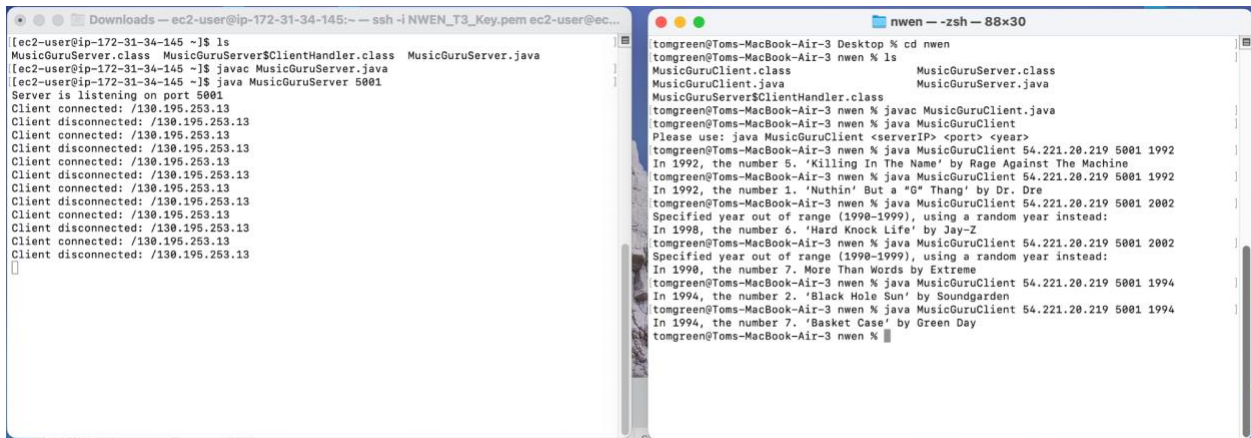
Image 4:

-   Shows same thing as Image 3 however the client side is also printing out the private IP
    address using socket.getHostName()
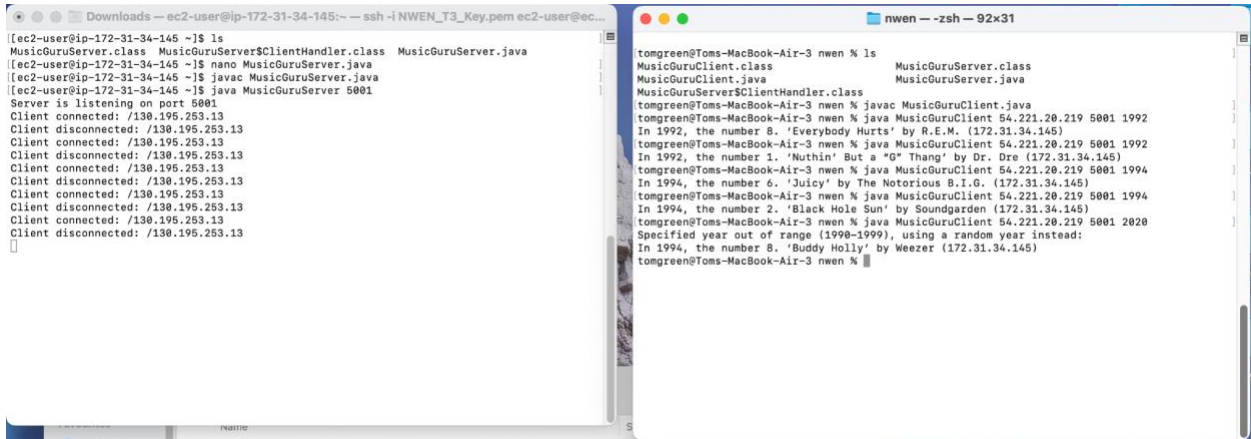
Image 5 (3.jpg):

-   Shows process of creating run.sh and crontab. This allows the MusicGuruServer to be
    run without compiling at port 5001 if a client connects with the appropriate IP address
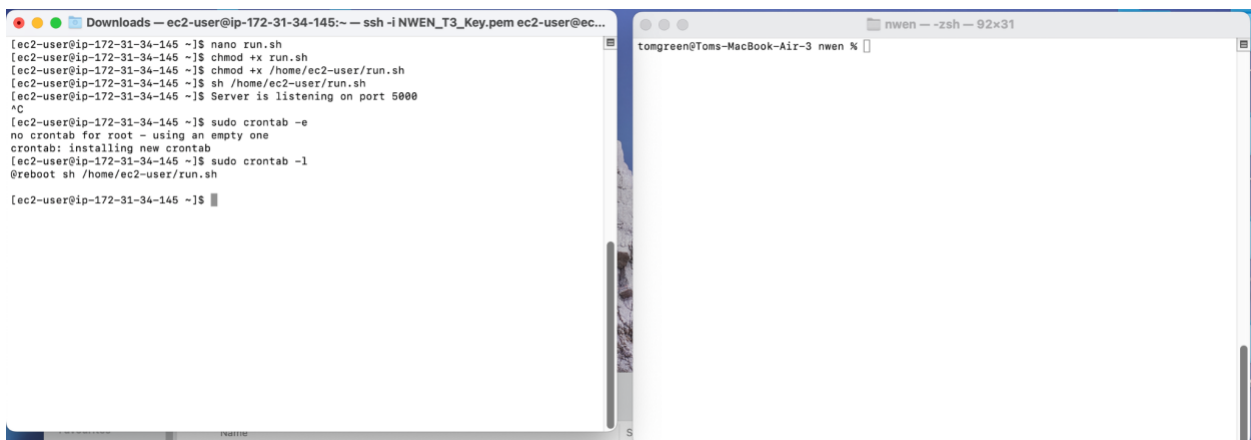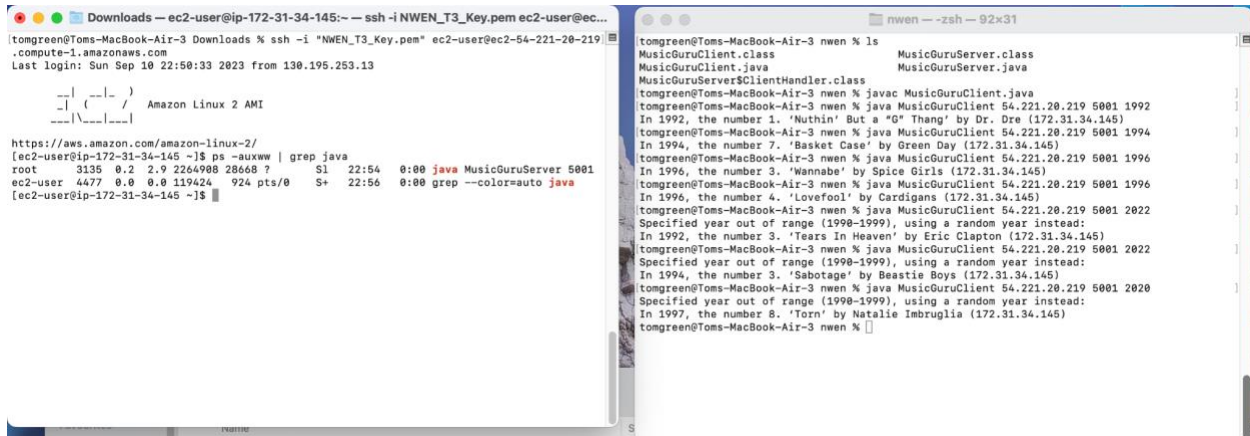   and port established.

Image 6 (4.jpg):
- Shows client connection to the server via using an instance IP port and a year to be sent back.
- On the left side is the instance without the server being compiled and ran which shows that our run.sh and crontab has worked and running the java MusicGuruServer manually

Image 7 (5.jpg):
-   Left side shows original instance as well as created instance from AMI image of the original instance.
-   Right side shows local machine running MusicGuruClient and connecting to the server via IP address respectively as well as port number at 5001 and year to be returned.
-   Shows both client terminals and server side by side both running the MusicGuruClient.
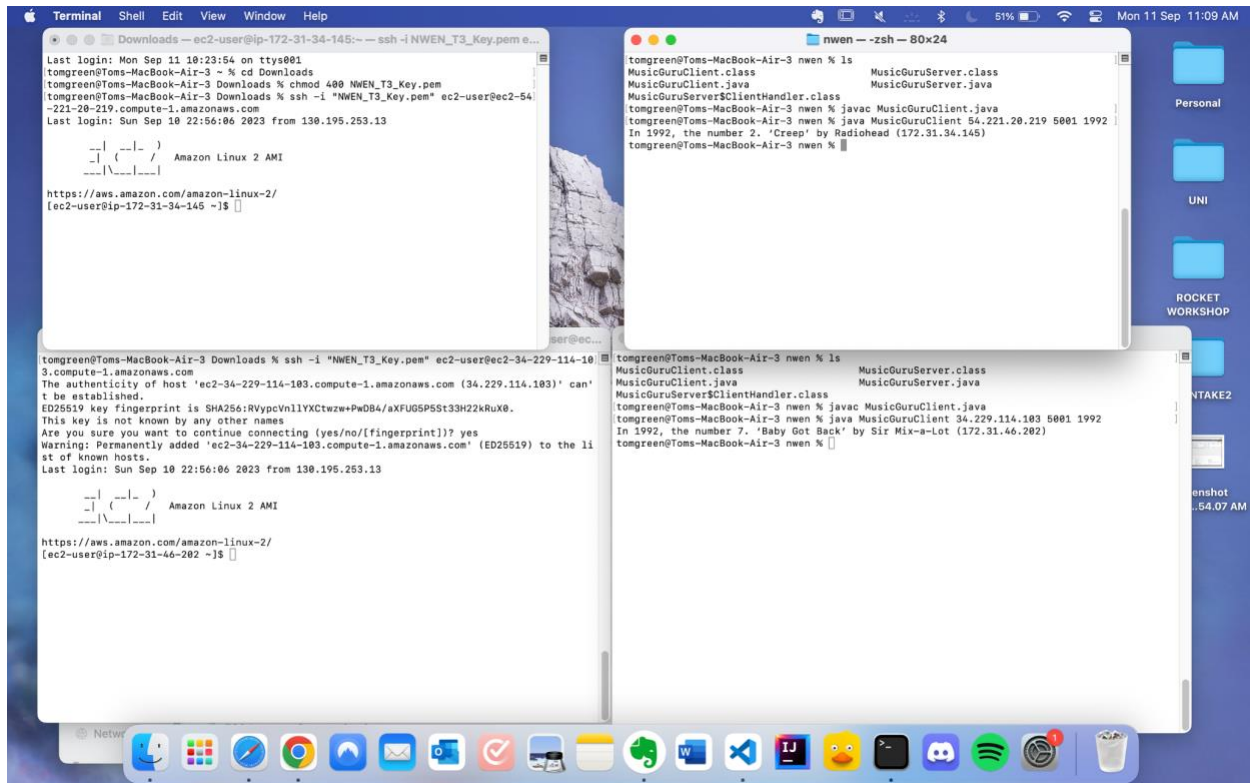
Image 8:
- Shows original instance 'NWEN_TAKE3' running in the instances dashboard (ignore all the other NWEN instances I had to do it a lot)

Image 9 (6.jpg):
- Shows AMI image that was created from instance 'NWEN_TAKE3.'

Image 10 (7.jpg):

- Shows two instances running. One is the original instance 'NWEN_TAKE3' and the other one is created from the AMI image of the original instance. Both are running and public IPv4 are shown on the right-hand side.