# Peer-to-Peer File Sharing Program

### Tech

- Python3 Socket programming
- JSON File sharing

# Running the Program

After downloading the zipped file, extract to same directory. After that open terminal and run these commands.

python server.py

python client.py

NOTE: This program requires python-3.x to run.

#### How It Works

After executiton, server displays the content that can be downloaded. Client side requires device name which you would like to connect. After that, server prints e.g.: Connected by ('192.168.56.1', 65364) On the client side, program asks which file that client would like to get. Finally, client downloads the file, log file has the history and on the server side, program displays size of the file that is sent. e.g. finished sending 564739 bytes

## Reference

These are reference links used:

https://docs.python.org/3/library/json.html

https://docs.python.org/2/library/stringio.html

https://stackabuse.com/reading-and-writing-json-to-a-file-in-python/