## Jamie Loebe CS372

1.)

a.) My programs are written in Python 3. All that is needed is to run 'python3 (program\_name).py'

b.)

```
flip1 ~ 1001$ cd /nfs/stak/users/loebej; /usr/bin/env /usr/bin/python3 /nfs/stak/users/loeber 37642 -- /nfs/stak/users/loebej/CS372/Proj_1/connect_socket.py

HTTP/1.1 200 0K
Date: Tue, 26 Jan 2021 04:44:00 GMT
Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.14 mod_perl/2.0.11 Perl/v5.16.3
Last-Modified: Mon, 25 Jan 2021 06:59:02 GMT
ETag: "51-5b9b412ad1b5a"
Accept-Ranges: bytes
Content-Length: 81
Content-Type: text/html; charset=UTF-8

<html>
Congratulations! You've downloaded the first Wireshark lab file!
</html>
```

```
TEMMA

Tips = 9095 / msr/bin/orm /msr/bin/python3 /nfs/stak/users/loebej/.vscode-server/extensions/ms-python.python-2021.1.502429796/pythonFiles/lib/python/del loebej/CS372/Proj_2/largefile.py

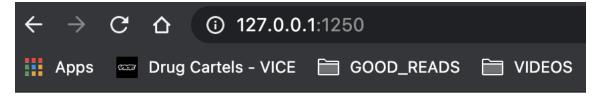
HTPS:13 -080 00 00

HTPS:13 -080 00

HTPS:13 -0
```

```
flip1 ~/CS372/Proj_1 1009$ python3 http_server.py
RECEIVED: GET / HTTP/1.1
Host: 127.0.0.1:1250
Connection: keep-alive
Cache-Control: max-age=0
sec-ch-ua: "Google Chrome";v="87", " Not;A Brand";v="99", "Chromium";v="87"
sec-ch-ua: "Google Chrome";v="87", " Not;A Brand";v="99", "Chromium";v="87"
sec-ch-ua-mobile: 70
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.141 Safari/537.36
Accept: text/html, application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9
Sec-Fetch-Site: none
Sec-Fetch-Mode: navigate
Sec-Fetch-Hode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.9,pt;q=0.8
dnt: 1
sec-gpc: 1

SENDING HTTP/1.1 200 OK
Content-Type: text/html; charset=UTF-8
<https://document-type: text/html; charset=UTF-8
```



Congratulations! You've downloaded the first Wireshark lab file!

3.) I struggled a bit at the beginning to find helpful information on getting this up and running, but kept reviewing the chapters mentioned in K&R and researching online, and found help regarding the socket api.