**My plan to emulate GET request:**

1. I will create a directory Server.
2. It will have a file named as index.html, which will just print “Hello World”.
3. Then there will be a script named as Server.py, which should be activated when a user starts browser and types something in the address bar using localhost.
4. Whatever the user types in the address bar, it should be fed as input to the script.
5. The input should be parsed, split and worked upon accordingly, which means the script should be able to display the contents of page, source text, match the if conditions in the http request and *range* in the header field of request.

**How to get a file by its name via get request:**

1. Learn how its done with apache and then replicate the process with localhost. (Don’t know how to do it).
2. Use netcat: nc localhost <port #>
   1. GET <filename>

**How the script should be:**

1. From one terminal we will run the Server.py and from other terminal window, we will use netcat to issue HTTP requests.
2. In the script, there should be a function that handles the input from netcat’s window and split it. we can have a different script for called parser.py and have it parse the input and split and return the values to Server.py
3. Start the Server.py, which should start a netcat session to receive the input from other terminal. *I think the once the Server.py gets netcat’s input, it will stop and won’t move forward.* That’s why we have sockets to establish connection.
4. The script should send the results of the request or error code to the netcat’s terminal.

**Steps to be followed:**

1. Establish a connection with Server.py using sockets in one terminal and nc on another.
2. Try to return multiple things from one function.

**Issues faced:**

1) why isn’t my socket closed