# Term Project – Socket Programming (Summer-2020)

You have to make a local **webserver** in python which will be able to do the following:

(i) Take client **HTTP requests** for a **file** (Readme.txt). Use browser for demonstration.

(ii) Send the contents of the file back to client in a **HTTP Response** message(**Show it in browser)[Attach screenshot]**

**(iii)** If the file is not found in the server, send a **"404 File Not Found" HTTP Response message** back to client.

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**(iv)** Now, instead of using a browser, write your own **HTTP client** to test your server. Your client will connect to the server using a TCP connection, send an HTTP request to the server, and display the server response as an output. You can assume that the HTTP request sent is a GET method.

The client should take **command line arguments specifying the server IP address or host name, the port** at which the server is listening, and the path at which the requested object is stored at the server. The following is an input command format to run the client.

**client.py server_host server_port filename**

***Refer to lab manual Page [32,33] where we have provided the python framework for the webserver.***

**Marks – 10%**

**Submission:**

1) You have to rename the python files as follows:

ID_filename
Ex: 0111151123_webserver.py

0111152099_webclient.py

2) Put the **python file** and the **screenshot of the file in browser** in a folder, zip it and submit it in elms in the **window opened for submission within the given date**.