

## General format of the HTTP server

Assign values to ip (‘’), port (80 or other if restricted)

Establish the root directory with the files we store (www\_dir)

Open the socket

Activate the server (bring it up)

socket bind - if not successful, shutdown server

Loop indefinitely for possible connections (socket, www\_dir)

while True:

socket listen, accept, recv data

validate data is in the correct format for an http request

if not valid http request

message

else

if / - index.html

otherwise try to retrieve requested file (read it)

send result to client (conn.send)

close connection

**Client request thru the browser:**

127.0.0.1:80 (or whatever port we assigned)