IS F462 Network Programming
II semester 2014-15
Lab6 Exercise

Write a concurrent TCP server that does the following:

- it takes port no on command-line and waits for incoming connections on that port.
- it receives HTTP GET request and processes it. Server extracts the file name along with path from the request. It sends the file to the client as per the flags in the URL.
- Client is a browser. Browser sends a request to your server and displays the response. for example, by typing "*http://localhost:port/index.html?chunked=true&conclose=false*" in the address bar, HTTP GET request is sent to the server.
- In this example URL, file requested is index.html. Query string is anything after ? i.e. *chunked=true&conclose=false*.
- While processing HTTP GET request, if *chunked* flag is true, server uses `Transfer-Encoding: chunked` header for transferring a file. if *conclose* flag is true, server uses `Connection: close` header. Server sends the file and at the end it will close the connection.
- Either of Transfer-Encoding or Content-Length headers may be present in HTTP response. More details may be found here: http://www.httpwatch.com/httpgallery/chunked/

Files Expected: tcpserver.c and makefile.

Submit fullidno_lab6.zip file latest by 2:30 PM on 21st March on Nalanda. http://nalanda

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