COMP 431 Internet Protocols & Services

Fall 2018  
Kevin Jeffay

Worksheet 3, September 5

1) Using the telnet program,[[1]](#footnote-1) manually create a connection to a web server by entering the command “telnet <*webserver name*> 80.” Once the connection is established, manually type in an HTTP GET command, and capture the server’s response in your terminal window.

*a*. Describe (as best you can) what the content returned in the response is and what all of the headers in the response that comes back from the server do (in theory). Speculate what the purpose of each header is. (It’s OK to look up header definitions on the web.)

*b*. Repeat the experiment with a variety of “major” and “minor” websites and compare and contras the headers you receive.

*c*. Repeat the experiment but this time manually specifying some headers of your choosing such that you change the response that the server generates (*i.e.*, so that the server either changes a header or changes the object returned).

1. You can run telnet locally on your laptop or you can *ssh* into *classroom.cs.unc.edu* and run telnet from there. [↑](#footnote-ref-1)