Hi class,

We'll be starting with last lecture's code. So..

svn export <https://subversion.ews.illinois.edu/svn/sp18-cs241/_shared/lecture_code/27/>

 to get a local copy (the picture server is a bit more useful than the simple text server)

**Challenge #1.**

Create a webserver that serves no more than 20KB second. (Sleeping every second can be part of your solution)

**Challenge #2**

Modify your server to return either a picture (if 'pic.jpg') or static html (for the home page) or 404 for any other resource.

**Challenge #3**

Can you create a multi-process (forking) server?

Can you create a multithreaded server

**Challenge #4**

You call; do something simple but interesting. Post your code and the IP+port.

(do not serve files! Watch out for '..')

**Challenge #5**

What is the smallest binary executable server that you can create that runs on your linux VM?

**Challenge #6 (Hard)**

Try your hand at a proxy. i.e. your server will connect to a remote source to get the content. sendfile() might be useful.

 Post the ideas and IP and port of your server below!

p.s. Cool trick:

nohup blah &

will keep blah running even if you log out of your VM

pps. Watch out for SIGPIPE …