

HW 7 : Make a Server Log File

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Due: 11:59pm November 28, 2018

Modify your **webserv.c** to store client's requests in a separate log file.

Whenever clients send their requests, the server program records the requests in a file named **serv_log.txt**. If the log file doesn't exist in your server directory, then create it. Not that even if the server program gets started, the **serv_log.txt** file that was already created shouldn't be initialized. New requests should be appended to the log file when the server program starts again. Every time the server program is run, print out the current contents of the **serv_log.txt** as shown below.

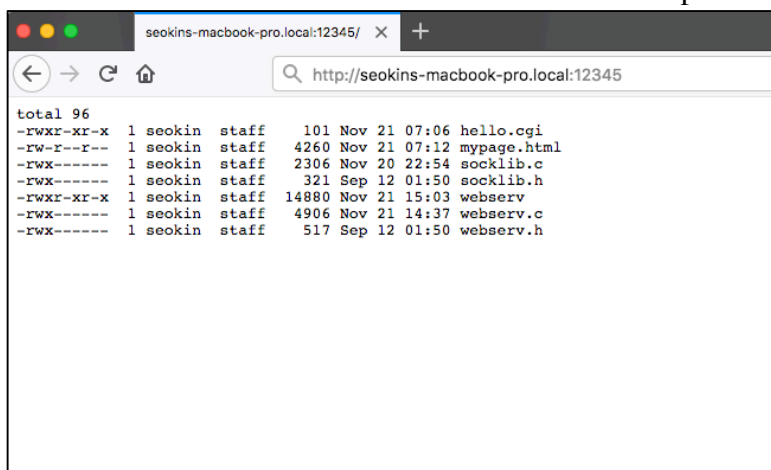
[Run]

//run web server

\$./hw7_2014123123 12345 &

//run web browser (client) and send requests to the server

type <http://hostname:12345> into the address bar at the top of your browser. You can find the hostname of your local machine with the "hostname" shell command. In the following figure, the hostname of local machine is "seokins-macbook-pro.local".



[Expected output]

```
$ ./hw7_2014123123 12345    #start server and send requests to the server using the web browser

GET ... ..

GET ... ..

GET ... ..

Ctrl-C

(Now the server terminates...)

$ cat serv_log.txt ### show the existing logs from your file.

GET ... ..

GET ... ..

GET ... ..

$ ./hw7_2014123123 12345    #Restart server and send requests to the server using the web browser

GET ... ..

Ctrl-C

$ cat serv_log.txt ### show the existing logs from your file.

GET ... ..

GET ... ..

GET ... ..

GET ... .. # (added from a new request)
```

<Precautions!!>

- Submit a source code (hw7_StudentID.c) to the LMS (lms.knu.ac.kr)
- If you use the wrong name, NO grade will be given. ex) If your student number is '2014123123', your file name should be hw7_2014123123.c

Late Day Policy

All homeworks are due at 11:59pm on the due date. A grading penalty will be applied to late assignments. Any assignment turned in late will be penalized 50% per late day.

Plagiarism

No plagiarism will be tolerated. If the assignment is to be worked on your own, please respect it. If the instructor determines that there are substantial similarities exceeding the likelihood of such an event, he will call the two (or more) students to explain them and possibly to take an immediate test (or assignment, at the discretion of the instructor) to determine the student's abilities related to the offending work.