

Fwd: CS242: Reference material and practice questions for this week.

RITIK MANDLOI

Wed 8/21/2019 2:16 AM

To: KOTKAR ANKET SANJAY <anket@iitg.ac.in>

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From: Abhishek

Sent: Wednesday, 14 August, 3:09 PM

Subject: CS242: Reference material and practice questions for this week.

To: cse18b

Cc: Ashish Anand, APARAJITA DUTTA, Saptarshi Pyne, DEBANJAN ROY CHOWDHURY, RAHUL VATS, SONU KUMAR SINGH, AVADHESH SHARMA

Hi all,

Consider the following resources as reference material for the sed/grep/awk tools.

grep, sed, awk: Chapter 7, 10 and 11 from the "Unix in a nutshell" book by Arnold Robbins concisely explains different functionalities of these tools. However, only a few hands-on examples are mentioned.

Shell expansions (Brace, Tilde and Filename expansions):

https://www.gnu.org/software/bash/manual/html_node/Shell-Expansions.html#Shell-Expansionsgrep

regular expressions: <https://www.digitalocean.com/community/tutorials/using-grep-regular-expressions-to-search-for-text-patterns-in-linux>find command: <https://danielmiessler.com/study/find/>.

Forensics Information and Xargs vs. Exec sections of the tutorial are optional. There is an error in the command mentioned for "Show me what content owned by root have been modified within the last minute" subsection, the correct option should be -mmin instead of -mtime. The manual page of the find command is an excellent resource to know in detail about the mtime and mmin options.

For sed and grep, please refer to the following short and informative tutorial: https://iitgoffice-my.sharepoint.com/:b/g/personal/anand_ashish_iitg_ac_in/Edan35yt0OtMsOMASvPeg0UBMfXDSYhPK9JVBKeYhayCzw?e=3kxwUU.

For awk, please refer to this tutorial:

<https://www.tutorialspoint.com/awk/index.htm>.

Practice questions:

You can practice the problems shared during the same course in the previous year available at

<http://jatinga.iitg.ernet.in/~asahu/cs241/>

Look for the link "Modified Problem Statement for SED Part" and "AWK.and.shell_Questions.pdf".

All tutorial presentations are uploaded on the shared OneDrive folder.

Regards

Abhishek

From: Abhishek <abhishek.abhishek@iitg.ac.in>**Sent:** Wednesday, August 14, 2019 3:09:30 PM**To:** cse18b <cse18b@iitg.ac.in>**Cc:** Ashish Anand <anand.ashish@iitg.ac.in>; APARAJITA DUTTA <d.aparajita@iitg.ac.in>; Saptarshi Pyne <p.saptarshi@iitg.ac.in>; DEBANJAN ROY CHOWDHURY <chowdhur@iitg.ac.in>; RAHUL VATS <rvats@iitg.ac.in>; SONU KUMAR SINGH <s.kumar@iitg.ac.in>; AVADHESH SHARMA <avadhesh.sharma@iitg.ac.in>**Subject:** CS242: Reference material and practice questions for this week.

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3. grep regular expressions: <https://www.digitalocean.com/community/tutorials/using-grep-regular-expressions-to-search-for-text-patterns-in-linux>
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