

Scripting & Computing Environments

CSE 505

IIIT Hyderabad - Monsoon 2018

13 - Aug - 2018

Lab # 1

OVERVIEW & PURPOSE

Just a basic intro and warming up to lab sessions.

GUIDELINES

1. Read all questions carefully.
2. Please use `man` and `apropos` before calling a TA (**Not your neighbour**) for help.
3. For this lab, you can use the slides uploaded on Moodle (and no other references). Google is **not** allowed.

SUBMISSION FORMAT

1. Create a folder `<rollno>_lab<lab_no>`. All your work should be in this folder only.
2. You have to generate a script file using the following command:
`script -a <rollno>_lab<lab no>.script`
3. Make an **`answers.txt`** file. Containing all the answers corresponding to the questions.

*Do you believe in God? God doesn't give a damn.
Yes, I knew how they have screwed you over for 20 years or more.*

SCRIPTING GAMES

Gaitonde has a different brought up “Apun kachre se bada hua hai”. So you need to create a folder named “Kachra” using mkdir.

1. Create a folder Kachra, using mkdir.

Gaitonde is back in Aamchi Mumbai, and warned one of the police constable named Sartaj about the 25 days warning that everyone in Mumbai will die and only Trivedi will be left so everyone wants to send their current location and home directory path to their loved ones, use Scripting command to find those paths and print them on your terminal.

2. Print your current location and home directory path

‘Field mera hai, Desk tumhara hai !’, so it’s time to create a file as follows.

3. Create a file called “Gaitonde.txt”, using touch & write “Created by Vikram” to it using cat.

‘Kabhi kabhi to lagta he apun hi TA he !’

4. Create a folder name “Bhagwan” and try to do ls, cd and touch.

‘Bhagwan ke bharose mein mat baithiye, kya pata bhagwan hamare bharose baitha ho’, so make three files inside the folder “Bhagwan” and give them permissions on your own.

5. Make 3 files in “Bhagwan” folder give different permissions to the files and try opening and executing them.

6. Parulkar deleted files "Kukoo.txt" & "Mandir.txt", now Sartaj wants to get back the files so he has requested your help in below tasks since he knows you are taking a class

on Scripting this Semester. **Create two empty files "Kukoo.txt" & "Mandir.txt" using a single command in a folder named "Setting".**

7. Parulkar now realized empty files will raise suspicion, therefore, **he has asked you to write "Apun kukoo ke peechhe bhag raha ta" in "Kukoo.txt" and "Desh mandir ke peechhe bhag raha ta" in "Mandir.txt" using command line.**

8. Now he wants **"By Ganesh Gaitonde" to be appended in "Kukoo.txt".**

9. Sartaj is a sceptic person, he does not trust anyone, he wants you to **check contents of the two files, "Kukoo.txt", and "Mandir.txt", display the contents of two files** on your command prompt using **single** command.

"Agar mard field pe kaam karna chahe toh passion. Aur agar aurat karna chahe toh bhoot."

11. **Create a invisible/hidden file "Anjali_Mathur.txt"** and add above content to it, once done **restrict the permissions** of this file (**READ-ONLY** by everyone).

12. **Overwrite content of "Mandir.txt" with the below quote** from Ganesh Gaitonde

"Apun socha jab desh mein PM ka imaan nahi, toh apun seedhe raaste chal ke kya karega?."

13. **Create a directory structure in one command,**

`./ScriptingGames/Parulkar/Zoya`

`./ScriptingGames/Trivedi`

`./ScriptingGames/Sartaj/Megha`

`./ScriptingGames/GaneshGaitonde/Cuckoo`

14. **Copy "Mandir.txt" to "ScriptingGames/Trivedi" and "Kukoo.txt" to "/ScriptingGames/GaneshGaitonde/Kukoo", timestamp of original and copied files should be same.**

15. Now make a copy of “ScriptingGames” directory and its sub directories in “CopyOfScriptingGames” directory, do this using single command.

16. Move “./ScriptingGames/Gaitonde” to “./ScriptingGames/ Trivedi”

17. Anjali Mathur want some files from the Top-Secret RAW vaults. **Ssh into your web.iiit.ac.in account. Now create a file in your working directory named “Confidential.txt”.**

18. Using Tee command, print your current working directory into the above file and onto the standard output.

19. Copy this file onto your local system. (You can use the ifconfig command to find the ip address of your local machine)

20. Now capitalise all the text in the file “Confidential.txt” and store it in a new file named “Confidential1.txt”.

21. Remove/Delete the directory “CopyOfScriptingGames”.

22. Tar all files you created today and upload it on moodle.