***Linux tasks***

***TASK 01:***

(note: before begin practice, first reset your system)

\*display kernel name

\*display current date and time

\*what is your machine name?

\*get information about peripheral components attached to your system

\*display version and release of kernel

\*dispaly current, next and prev month's calender

\*what will be julien date and week day of 13 may 2020

\*open new terminal and show terminal type and logged in details of user

\*what is /etc, /root, /home and /var directory used for?

\*shutdown computer after 10 min

\*cancel shutdown

***TASK 02:***

\* create colaborative directories /practice/Audios, /practice/Videos, /practice/Documents

\* create files in /practice directory as SongX.mp3, FilmX.avi, TextX.txt where X = 1 to 10

\* copy those files in there respective directories.

\* create drectory as demo in practice directory

\* move 5 files from each directory to demo directory

\* remove all files from Audios, Videos, & Documents directories without removing directories

\* remove Audios, Videos, & Documents Directory

\* remove /practice directory

***TASK 03:***

\*find word /root from anaconda file

\*create a file /root/hello.txt and find it using find command

\*perform gzip, bzip2 and xz compression on /lib dir. using tar utility

\*compress /lib dir. using tar cammand, further compress it using gzip, bzip2 and xz command.

\*decompress above compressed\_files using required utilities

\*schedule a job to create 10 files in /mnt dir. on 29 aug 2019 at 3.30 pm.

\*schedule a job to create a file at every saturday of august at 5.30 pm.

***TASK 04:***

\* create a group named sk

\* create user shubham who belongs to sk as secondary group

\* create user chetan who belongs to sk group as primary group

\* create user atul who does not have access to shell

\* all user should have password "redhat123"

\* create colaborative directory /practice/demo

\* give group ownership of /practice/demo is sk

\* directory should be readable, writable, and accessible to members of sk and not by other user

\* file created in /practice/demo automatically have group ownership set to the sk group

\* create user mayur and payal

\* create file inside demo directory. file should not be executable by anyone

\* user mayur should able to read and write that file

\* user payal can neither write nor read the file

\* dmidecode command should be executable by other user

\* create directory /practice/data. give group ownership to sk.

\* no user except owner allows to delete files inside of data dir.

\* change atul user name to rameshwari

\* make 600 and 700 as default permissions for files and directories when created by root user and these defaults must be availabe after rebooting the system.

***TASK 05:***

\* create colaborative dir as /practice/demo, create file in demo as Text.txt

\* write 10 lines of data in Text.txt file using vim editor

\* copy first 4 lines and paste at the end of file

\* give numbering to each line and delete 12th and 13th line

\* copy anaconda file into /mnt dir without using cp command

\* open /mnt/anaconda file in vim editor

\* Bring cursor at the bottom of file using shortcut

\* copy 4 X 6 block of characters starting from 3rd character of 251th line

\* find linenumber where "network" word appears

\* remove highlight and save file

\* read Text.txt file using all five read commands

\* read bottom 2 lines only

(not: use shortcuts as much as possible to complete above task )

***TASK 06:***

\* add user shubham and chetan and assign password to them.

\* add user atul having id = 3002

\* change user id of shubham to 3003

\* add group sk with id 1001

\* assign chetan and shubham to sk group

\* make atul admin to sk group

\* all users should not allowed to change password for 3 days

\* password should expires after 30 days, inactive after 10 days of expiration, warning days should be 7 before expiry, and account should be expire after 2 month from the day of it created. (perform this for shubham user)

\* change group id of chetan to 2000

\* give sk as primary group to atul

\* give comment to chetan that "it is local user"

\* create user mayur and force him to change his password

\* since atul is admin of sk group, use atul's account to add mayur user in sk group.

\* change login name of mayur to myacnt

\* myacnt user should not be permitted for login to interactive shell

***TASK 07:***

1. host a static hello world website using nginx, httpd in amazon linux and in Ubuntu machine.

2. Schedule a task to run only on weekdays :at 9:00 AM from Monday to Friday.

3. Schedule a task to run on specific days of the month:on the 1st and 15th day of each month at 10:00 AM.

4. Run multiple commands in a single crontab entry

5. Schedule a task to run on 2nd and 4th Saturday at 5:45 AM

6. Create a Zip Archive: Create a basic zip archive of a directory /var and Extract a Zip Archive: Extract the contents of a zip archive

7. Create a Password-Protected Zip Archive: Create a password-protected zip archive

8. Extract a Password-Protected Zip Archive: Extract the contents of a password-protected zip archive

9. Create a Tar Archive and Exclude Files: Create a tar archive while excluding specific files