

Answer Sheet (TR-1 and 2)

Ans 1. `grep -n error /var/log/messages`

Ans 2. Find matches without worrying about the case of the letters. `grep -i user users.txt`.

Ans 3. To overwrite the content in file use `>`
To append the content in the file use `>>`

`tail /etc/passwd > test`
`head /etc/passwd >> test`

Ans 4. `Cmd > filename &> filename`
`ls /usr > errors.log`

Ans 5. `Vim sed.txt` press `-1` to add content to Red Hat, Ubuntu, Linux, Linux, Windows, and Mac and save the file.

`sed -i 's/redhat/centos/' filename`
`Sed -i '/linux/d' filename`

Ans 6. `head -20 /etc/passwd | tail -10`

Ans 7. `Cp -i`

If **file.txt** already exists in the destination directory, the command will prompt:

bash

Copy code

cp: overwrite '/destination/directory/file.txt'?

You can type:

- **y** to confirm the overwrite.
- **n** to skip overwriting the file.

Ans 8. `mkdir -p /udaipur/techno/njr ; touch file{1..20}`

`mkdir -p /udaipur/techno/njr && touch file{1..20}`

Ans 9. Su = When you use **su** without a dash (-), it switches to the target user without loading the target user's environment.

Su - = When you use **su -**, it simulates a full login shell for the target user.

Ans 10. `/etc/passwd`

`john:x:1001:1001:John Doe:/home/john:/bin/bash`

- User **john** has
 - User name
 - Password
 - UID: **1001**
 - GID: **1001**
 - Comment: **John Doe**
 - Home directory: **/home/john**
 - Login shell: **/bin/bash**

/etc/shadow

**john:\$6\$randomsalt\$hashedpassword:19345:7:90:7:
30:19700:**

- **User john has:**
 - **Username**
 - **Password hash: \$6\$randomsalt\$hashedpassword**
 - **Password last changed: 19345 (days since 1/1/1970).**
 - **Minimum age: 7 days.**
 - **Maximum age: 90 days.**
 - **Warning period: 7 days before expiration.**
 - **Inactive period: days after expiration.**
 - **Account expires on: 19700 (days since 1/1/1970).**
 - **Reserve.**

Ans 11. Chage -l

Ans 12. Chage -M 30 harry.

Ans 13. Group add sysadmin

Useradd harry , useradd raj

Usermod harry -G sysadmin

Usermod raj -G sysadmin

Useradd prem -g sysadmin

Ans 14. /etc/login.defs

Ans 15. If we delete the user from the command (userdel username) then user data will not get deleted.

Userdel -r user name