

1. Create a user named raina with the following properties
  - a. uid (-u)
  - b. gid (-g)
  - c. comment (-c)
  - d. home directory(-d)
  - e. shell (-s)
2. set the password for user raina
3. check the status of password using – **passwd –S username**
4. check the userinfo values in **etc/passwd**.
5. Create a new user dhoni without home directory (**useradd –M Username**)
6. Create another user virat with account expiry date (**useradd –e ‘yyyy-mm-dd’ username**)
7. Check the user virat info using **chage –l username**
8. Change the user dhoni properties using **usermod** cmd.
  - a. Uid
  - b. Gid
  - c. Comment
  - d. Home directory
  - e. Account expiry date
  - f. Username as mahendra – **usermod –l newname oldname**
9. Check all these values in **/etc/passwd** and **chage –l username** cmd
10. Lock the password for user raina using **passwd –l username** and check its status.
11. Login with user raina from user other than root and observe.
12. Now unlock password for user raina using **passwd –u username** and check its status.
13. Login with user raina from user other than root and observe
14. Now lock the user account of raina using **usermod –L username** and check.
15. Unlock the user account of raina using **usermod –U username** and check.
16. Using chage cmd ,perform the following
  - a. **Chage –l username** – to check the properties of password (account aging info).
  - b. It can be found in /etc/shadow file also
  - c. Min days for password reset –m
  - d. Max days for password reset –M
  - e. Warning before password change –W
  - f. Inactive days –after which the account will be disabled –I
  - g. Last password change date –d
  - h. Account expiry date –E
  - i. Check whether all these properties are updated .(**chage –l username**)
17. Create another user kohli and set kohli's password
  - a. Now change last password change date as 0 for kohli(**chage –d 0 username**)
  - b. Login into kohli and check .
18. Use **groupmod** cmd to perform the following for an existing user raina and group sports
  - a. Add user raina to group sports using **usermod –aG grpname username**
  - b. Add user mahendra to group sports (primary group) – **usermod –g gid/gname username**
    - i. Use id username cmd to check the groups of user.
  - c. Check the details in **etc/group** file
  - d. Use **gpasswd –a user group** to add user kohli to sports

- e. Check the details in **etc/group** file
  - f. Change the groupid of sports to 4000 – **groupmod –g GID groupname**
  - g. Change the groupid of user kohli to 4002 – **groupname –g GID username**
  - h. Change the groupname from sports to sportpersons – **groupmod –n newgrp oldgrp**
  - i. Check the details in **etc/group** file
19. Check the default values using **useradd –D**
  20. Check the default values using **cat /etc/default/useradd**
  21. Run **ls –l on /home and /var/spool/mail** and observe the user directories
  22. Delete a user and chk the mail dirrectory
  23. Run **ls –la on /etc/skel** directory and observe the default directories and files .(when creating a new user all these will be created in /home/newuser)
  24. Use cmds **id username, id –un username ,id –gn username**
  25. Use **w ,last** and **whoami** cmd and observe the result.
  26. **Cat /etc/login.defs** file and see the default values.