

User Management Tasks:-

1. Add a User with a Specific Home Directory, Default Shell, and Custom Comment

ANS: `sudo useradd -d /home/Akash -s /bin/bash -c "New User" Akash`

2. Add a User with Home Directory, Custom Shell, Custom Comment, and UID/GID

ANS: `sudo useradd --comment "Linux task" --home-dir /home/Akash --uid 900 --gid 101 --shell /bin/bash Akash`

3. Add a User with Home Directory, No Shell, Custom Comment, and User ID

ANS: `sudo useradd --comment "Linux task" --home-dir /home/Akash --uid 1003 --shell /bin/false Akash`

4. Add a User with Home Directory, Shell, Custom Skell/Comment, and User ID

ANS: `sudo useradd -m -s /bin/bash -k /etc/skel_custom -c "Akash Raut" -u 1002 Akash`

5. Add a User without Home Directory, No Shell, No Group, and Custom Comment

ANS: `sudo useradd --no-create-home --shell /bin/false --no-user-group --comment "No group and shell" Akash`

Permission Management Tasks:-

1. Change the permission set of /training/readme.txt so that only the user (owner) can read,write, and execute it. Use absolute mode.

ANS: `chmod 700 /training/readme.txt`

2. Change the permission set of /training/readme.txt so that any user can read it, the group can read/write to it and the user (owner) can read/write/execute it. Use absolute mode.

ANS: `chmod 764 /training/readme.txt`

3. Change the permission set of /training/readme.txt so that only the user (owner) can read, write, and execute it. Use symbolic mode.

ANS: `chmod u+rwx /training/readme.txt`

4. Change the permission set of /training/readme.txt so that any user can read it, the group can read/write to it and the user (owner) can read/write/execute it. Use symbolic mode.

ANS: `chmod u=rwx,g=rw,o=r /training/readme.txt`

5. Change the permission set of /training/readme.txt so that only the user (owner) can read/write/ execute, group, and any user can execute it. However, whenever anyone executes it, it should run with the privileges of the group. Use absolute mode.

ANS: `chmod 4710 /training/readme.txt`

6. Change the permission set of /training/readme.txt so that only the owner can rename or delete this file while maintaining the existing permissions. Use absolute mode.

ANS: `chmod 644 /training/readme.txt`

`chmod 600 /training`