Linux Tasks

**User Management Tasks:-**

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

* sudo useradd -d /home/omkarhatlage -s /bin/bash -c "New User" Jack

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

* sudo useradd --comment "Linux task" --home-dir /home/omkarhatlage --uid 900 --gid 101 --shell /bin/bash Jack

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

* sudo useradd --comment "Linux task" --home-dir /home/omkarhatlage --uid 1003 --shell /bin/false Jack

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

* sudo useradd -m -s /bin/bash -k /etc/skel\_custom -c "Omkar Hatlage" -u 1002 Jack

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

* sudo useradd --no-create-home --shell /bin/false --no-user-group --comment "No group and shell" Jack

**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.

* 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.

* 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.

* 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.

* 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.

* 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.

* chmod 644 /training/readme.txt
* chmod 600 /training