**Users:**

* **whoami:** indicate user name
* **who**: details about who is logged on the system
* **w:** command will inform you who is logged on and what they are doing
* **id:** show all your id
* **sudo su:** Root user in local home directory (enter password) **ctrl+d** to exit
* **sudo su -:** To switch any user from root user
* **su user1**: Go user1 shell (type **exit**: to exit from user1)
* **su -u user1:** Go to home directory of user1
* **sudo -s:** Start shell as root
* **sudo -u root:** Run as root / same **sudo**
* **useradd user1:** Create user without home directory, less secure

**useradd -m user1:** Forcing creation user1 with home directory

**useradd -m -d /home/house user1:** Settlingname of home directory

**useradd -m -d /home/house -c “user1 developer” user1**

* **adduser:** creates a /home/user directory automatically
* **userdel -r user1:** delete user with home directory
* **cat /etc/passwd:** Showsusers are inside home directorywith database
* **tail -3 /etc/passwd:** Shows last 3 users in home directory
* **usermod:** modify user’s properties
* **sudo usermod -l yasin user2**: change the name of the **user2** as **yasin**
* **passwd user1:** Add/change the password to user
* **cat /etc/sudoers:** Allows users to run various commands as the root user without needing password. There is wheel group define in **sudoers**

**Groups:**

* **sudo groupadd:** Create a new group
* **sudo usermod -a -G group1 user1:** Add user1 to the group1
* **groups**: Display the list of groups
* **groupmod**: change the group name
* **groupdel**: delete group
* **sudo gpasswd -a/-d user1 group1**: add or remove user from group
* **/etc/login.defs**: Futures of users/groups can change
* **sudo nano login.defs:** Change yes/no to create home directory of new user.
* **shadow file:** User passwords are encrypted in the /etc/shadow file and it can only be read with root users
* **cut -d: -f1 /etc/passwd:** list the users
* **grep ^PASS /etc/login.defs:** password settings