

## 2. USER MANAGEMENT

>> Process of creating, modifying, deleting & managing user's account in Linux System.

Types of users:

### 1. Root/super/admin:

- >> Most powerful user in the system.
- >> It gets created while the system setup.
- >> No restriction over any resources of the system.
- >> Can perform any operation.
- >> There can be only 1 root user in every system.
- >> All the administrative tasks are performed by root user.

### 2. Normal/Regular:

- >> Created users.
- >> Have limited permissions for accessing the resources.
- >> Cannot perform all the operations.

### 3. Default/sudo user:

- >> 1st user which gets created during OS installation.
- >> It is also a regular user with BUT has 'sudo' privileges to perform admin task.
- >> With the sudo privileges, this user can ACT as a root user.

### 4. System user:

- >> Users that Linux system creates for itself.
- >> To run system process & services.

process mgmt. → daemon  
memory mgmt. → systemctl

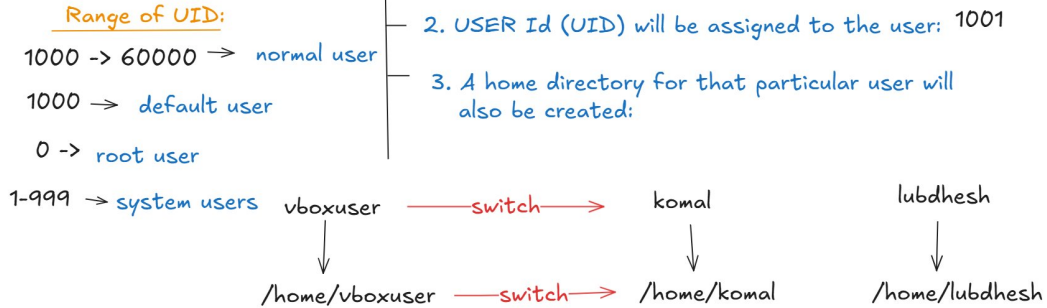
## COMMANDS

1. To create a user -> `adduser username`

`adduser komal`

`komal:x:1001:1001:////home/komal:/bin/bash`  
username ←      ← USER ID      → home directory of the user

`adduser komal`



2. To list all the users in the system -> `getent passwd` OR `cat /etc/passwd`

3. To know the current logged-in user in the terminal -> `whoami`

4. To switch to an user along with it's home dir -> `su - username`

switch user along with it's home dir

5. To switch to user -> `su username`

switch the user, but i will not switch with the user's home dir

6. To exit and go back to the previous user -> `exit`

7. To delete an user -> `userdel -r username`

8. To switch to root user: `sudo su -`

-- Only Default user will have the permission to switch as root user.

### TASK1

- 1st check which user you are currently working as -> `whoami`
- Then, switch to root user/ -> `sudo su -`
- List all users -> `getent passwd`
- Create 2 users as a root user -> `adduser user1 adduser user2`
- Go back 3 directories. `cd ../../..`

### TASK2

- Switch to root user
- Create a user named 'user1'
- switch to user1
- Go back to root user
- Switch to default user along with it's home dir
- Create another user 'user2' by being default user
- Switch to user2 and create another user, 'user3' ✗
- Delete user2 along with it's home dir