Assignment – User Management

- 1) Create user "nikhil" with home directory set as "/home/nikhil"
- a) nikhil user should have "/bin/sh" shell for his environment
- **b**) His password should expire in 9 days and 2 days before password expiry, he should get warning. User account must expire in 1 month from creation date
- Sol) a) sudo useradd -m -s /bin/sh nikhil
 - b) sudo chage -M 9 -W 2 -E 2024-12-17 nikhil

c) Give him root privileges to start/stop cron daemon.

Sudo visudo

Inside sudoers file, which is a configuration file,

=> ALL=(ALL) NOPASSWD: /bin/systemctl start cron, /bin/systemctl stop cron

All = The user can execute the command from any host.

NOPASSWD = user wont require password

(ALL)= The user can execute the command as any user, root

We can verify this by sudo -l -U nikhil

2) Inside folder "/" , create new home directory as "nikhil" (/nikhil) and setup this folder as a home directory for user "nikhil"

sudo mkdir /nikhil

sudo usermod -d /nikhil -m nikhil

-d mentions target directory -m moving the files from the past directory to new target directory

```
|ubuntu@ip-172-31-12-145:-$ sudo mkdir /nikhil | ubuntu@ip-172-31-12-145:-$ sudo usermod -m -d /nikhil nikhil | usermod: directory /nikhil exists | ubuntu@ip-172-31-12-145:-$ sudo usermod -d /nikhil nikhil | usermod: no changes | ubuntu@ip-172-31-12-145:-$ sudo usermod -d /nikhil -m nikhil | usermod: no changes | ubuntu@ip-172-31-12-145:-$ sudo usermod -d /nikhil -m nikhil
```

sudo cat /etc/passwd | grep nikhil

```
|ubuntu@ip-172-31-12-145:-$ sudo cat /etc/passwd | grep nikhil | nikhil:x:1017:1027::/nikhil:/bin/sh | ubuntu@ip-172-31-12-145:-$
```