

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

```
root@ip-172-31-46-255:~# sudo useradd -m -s /bin/sh nikhil
root@ip-172-31-46-255:~# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
```

```
_chrony:x:114:121:Chrony daemon,,,:/var/lib/chrony:/usr/sbin/nologin
ubuntu:x:1000:1000:Ubuntu:/home/ubuntu:/bin/bash
lxd:x:999:100:./var/snap/lxd/common/lxd:/bin/false
_rpc:x:115:65534:./run/rpcbind:/usr/sbin/nologin
statd:x:116:65534:./var/lib/nfs:/usr/sbin/nologin
aayush:x:1001:1001:./home/aayush:/bin/bash
aayush_client:x:1002:1002:./home/aayush_client:/bin/bash
aashu:x:1003:1004:./home/aashu:/bin/bash
shubham:x:1004:1005:./home/shubham:/bin/bash
nikhil:x:1005:1006:./home/nikhil:/bin/sh
root@ip-172-31-46-255:~# |
```

```
root@ip-172-31-46-255: ~  
root@ip-172-31-46-255:~# chage -M 9 -W 2 nikhil  
root@ip-172-31-46-255:~# chage -E $(date -d "+1 month" +"%Y-%m-%d") nikhil  
root@ip-172-31-46-255:~# chage -l nikhil  
Last password change           : Sep 13, 2024  
Password expires               : Sep 22, 2024  
Password inactive              : never  
Account expires                : Oct 13, 2024  
Minimum number of days between password change : 0  
Maximum number of days between password change : 9  
Number of days of warning before password expires : 2  
root@ip-172-31-46-255:~#
```

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

```
root@ip-172-31-46-255: ~  
root@ip-172-31-46-255:~# useradd nikhil  
useradd: user 'nikhil' already exists  
root@ip-172-31-46-255:~# mkdir /nikhil  
root@ip-172-31-46-255:~# chown nikhil:nikhil /nikhil  
root@ip-172-31-46-255:~# ls -ld /nikhil  
drwxr-xr-x 2 nikhil nikhil 4096 Sep 13 16:21 /nikhil  
root@ip-172-31-46-255:~#
```