

## Experiment-6

Create the operator1 user and confirm that it exists in the system. Set the password for operator1. Create the additional operator2 and operator3 users.

Set their passwords as well. Run the usermod -c command to update the comments of the operator1 user account. Remove the operator3 user from the system.

Approach-

Create the `operator1`, `operator2`, and `operator3` users, set their passwords, and confirm their existence. Update `operator1`'s comment using `usermod -c`, then remove `operator3` from the system.

```
vboxuser@ubuntu:~$ sudo useradd -m -s /bin/bash operator2
vboxuser@ubuntu:~$ sudo passwd operator2
New password:
Retype new password:
Sorry, passwords do not match.
New password:
Retype new password:
passwd: password updated successfully
vboxuser@ubuntu:~$
```

```
list:x:38:38:Mail List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/usr/sbin/nologin
systemd-timesync:x:996:996:systemd Time Synchronization:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon,,:/usr/lib/dhcpcd:/bin/false
messagebus:x:101:101::/nonexistent:/usr/sbin/nologin
syslog:x:102:102::/nonexistent:/usr/sbin/nologin
systemd-resolve:x:991:991:systemd Resolver:/usr/sbin/nologin
uuidd:x:103:103::/run/uuidd:/usr/sbin/nologin
usbnux:x:104:46:usbnux daemon,,:/var/lib/usbnux:/usr/sbin/nologin
tss:x:105:105:TPM software stack,,:/var/lib/tpm:/bin/false
systemd-oom:x:990:990:systemd Userspace OOM Killer:/usr/sbin/nologin
kernoops:x:106:65534:Kernel Oops Tracking Daemon,,:/usr/sbin/nologin
whoopsie:x:107:109::/nonexistent:/bin/false
dnsmasq:x:999:65534:dnsmasq:/var/lib/misc:/usr/sbin/nologin
avahi:x:108:111:Avahi mDNS daemon,,:/run/avahi-daemon:/usr/sbin/nologin
tcpdump:x:109:112::/nonexistent:/usr/sbin/nologin
sssd:x:110:113:SSSD system user,,:/var/lib/sss:/usr/sbin/nologin
speech-dispatcher:x:111:29:Speech Dispatcher,,:/run/speech-dispatcher:/bin/false
cups-pk-helper:x:112:114:user for cups-pk-helper service,,:/nonexistent:/usr/sbin/nologin
fwupd-refresh:x:989:989:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin
saned:x:113:116::/var/lib/saned:/usr/sbin/nologin
geoclue:x:114:117:/var/lib/geoclue:/usr/sbin/nologin
cups-browsed:x:115:114::/nonexistent:/usr/sbin/nologin
hplip:x:116:7:HPLIP system user,,:/run/hplip:/bin/false
gnome-remote-desktop:x:988:988:GNOME Remote Desktop:/var/lib/gnome-remote-desktop:/usr/sbin/nologin
polkitd:x:987:987:User for polkitd:/usr/sbin/nologin
rtkit:x:117:119:RealtimeKit,,:/proc:/usr/sbin/nologin
colord:x:118:120:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
gnome-initial-setup:x:119:65534:/run/gnome-initial-setup:/bin/false
gdm:x:120:121:Gnome Display Manager:/var/lib/gdm3:/bin/false
nm-openvpn:x:121:122:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
vivekkumar:x:1000:1000:Vivek Kumar,,:/home/vivekkumar:/bin/bash
vboxadd:x:997:1:/var/run/vboxadd:/bin/false
operator1:x:1001:1001:/home/operator1:/bin/bash
```

```
vboxuser@ubuntu: ~/Desktop$ sudo useradd -m -s operator2
useradd: invalid shell 'operator2'
vboxuser@ubuntu: ~/Desktop$ sudo useradd operator2
vboxuser@ubuntu: ~/Desktop$ sudo passwd operator2
New password:
Retype new password:
passwd: password updated successfully
vboxuser@ubuntu: ~/Desktop$ sudo useradd operator3
vboxuser@ubuntu: ~/Desktop$ sudo passwd operator3
New password:
Retype new password:
passwd: password updated successfully
vboxuser@ubuntu: ~/Desktop$
```

```
vboxuser@ubuntu: ~/Desktop$ sudo userdel operator3
vboxuser@ubuntu: ~/Desktop$ sudo /etc/passwd operator3
sudo: /etc/passwd: command not found
vboxuser@ubuntu: ~/Desktop$
```

```

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd/bin/false
messagebus:x:101:101:/:/nonexistent:/usr/sbin/nologin
syslog:x:102:102:/:/nonexistent:/usr/sbin/nologin
systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin
uuidd:x:103:103:/:run/uuidd:/usr/sbin/nologin
usbmux:x:104:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
tss:x:105:105:TPM software stack,,,:/var/lib/tpm/bin/false
systemd-oom:x:990:990:systemd Userspace OOM Killer:/:/usr/sbin/nologin
kernoops:x:106:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
whoopsie:x:107:109:/:/nonexistent/bin/false
dnsmasq:x:999:65534:dnsmasq:/var/lib/misc:/usr/sbin/nologin
avahi:x:108:111:Avahi mDNS daemon,,,:run/avahi-daemon:/usr/sbin/nologin
tcpdump:x:109:112:/:/nonexistent:/usr/sbin/nologin
sssd:x:110:113:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
speech-dispatcher:x:111:29:Speech Dispatcher,,,:run/speech-dispatcher/bin/false
cups-pk-helper:x:112:114:user for cups-pk-helper service,,,:/nonexistent:/usr/sbin/nologin
fwupd-refresh:x:989:989:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin
saned:x:113:116:/:/var/lib/saned:/usr/sbin/nologin
geoclue:x:114:117:/:/var/lib/geoclue:/usr/sbin/nologin
cups-browsed:x:115:114:/:/nonexistent:/usr/sbin/nologin
hplip:x:116:7:HPLIP system user,,,:run/hplip/bin/false
gnome-remote-desktop:x:988:988:GNOME Remote Desktop:/var/lib/gnome-remote-desktop:/usr/sbin/nologin
polkitd:x:987:987:User for polkitd:/:/usr/sbin/nologin
rtkit:x:117:119:RealtimeKit,,,:proc:/usr/sbin/nologin
colord:x:118:120:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
gnome-initial-setup:x:119:65534:/:run/gnome-initial-setup:/bin/false
gdm:x:120:121:Gnome Display Manager:/var/lib/gdm3:/bin/false
nm-openvpn:x:121:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
vivekkumar:x:1000:1000:Vivek Kumar,,,:/home/vivekkumar/bin/bash
vboxadd:x:997:1:/:var/run/vboxadd:/bin/false
operator1:x:1001:1001:HELLO:/home/operator1:/bin/bash
operator2:x:1002:1002:/:/home/operator2:/bin/sh
operator3:x:1003:1003:/:/home/operator3:/bin/sh
cat: operator1: No such file or directory
vboxuser@ubuntu:~$

```

Commands used-

useradd operator1, passwd operator1, useradd operator2, passwd operator2, useradd operator3, passwd operator3, usermod -c "<comment>" operator1, userdel operator3