

User Management Task

useradd:

```
[root@vbox ~]# useradd gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:1002:1004:/home/gunjan:/bin/bash
```

```
[root@vbox ~]# useradd -u 1004 Raksha
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:1002:1004:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/home/Raksha:/bin/bash
```

```
[root@vbox ~]# useradd -g 1004 User2
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
Flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:1002:1004:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User2:x:1005:1004:/home/User2:/bin/bash
```

```
[root@vbox ~]# useradd -c "Mentore Solution" User3
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998>User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995>User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994>User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993>User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987::/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72::/sbin/nologin
Sakshi:x:1000:1000::/home/Sakshi:/bin/bash
User1:x:1001:1001::/home/User1:/bin/bash
gunjan:x:1002:1004::/home/gunjan:/bin/bash
Raksha:x:1004:1005::/home/Raksha:/bin/bash
User2:x:1005:1004::/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
```

```
[root@vbox ~]# useradd -d /home/User User5
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998>User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995>User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994>User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993>User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987::/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72::/sbin/nologin
Sakshi:x:1000:1000::/home/Sakshi:/bin/bash
User1:x:1001:1001::/home/User1:/bin/bash
gunjan:x:1002:1004::/home/gunjan:/bin/bash
Raksha:x:1004:1005::/home/Raksha:/bin/bash
User2:x:1005:1004::/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007::/home/User2:/bin/bash
User5:x:1008:1008::/home/User:/bin/bash
```

```
[root@vbox ~]# useradd -s /sbin/nologin User6
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:1002:1004:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User2:x:1005:1004:/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/home/User2:/bin/bash
User5:x:1008:1008:/home/User:/bin/bash
User6:x:1009:1009:/home/User6:/sbin/nologin
```

Skeleton Files:

```
[root@vbox ~]# su - Raksha
[Raksha@vbox ~]$ cd /etc/skel
[Raksha@vbox skel]$ ls
[Raksha@vbox skel]$ cd
[Raksha@vbox ~]$ ls
[Raksha@vbox ~]$ ls -a
.  ..  .bash_logout  .bash_profile  .bashrc  .cache  .mozilla
[Raksha@vbox ~]$
logout
[root@vbox ~]# su - Raksha
[Raksha@vbox ~]$ ls -a
.  ..  .bash_history  .bash_logout  .bash_profile  .bashrc  .cache  .mozilla
[Raksha@vbox ~]$ rm -rvf .bash_logout
removed '.bash_logout'
[Raksha@vbox ~]$ ls -a
.  ..  .bash_history  .bash_profile  .bashrc  .cache  .mozilla
```

```
[root@vbox ~]# cd /etc/skel
[root@vbox skel]# ls -a
.  ..  .bash_logout  .bash_profile  .bashrc  .mozilla
[root@vbox skel]# cd
[root@vbox ~]# cp /etc/skel .bash_logout /home/Raksha
cp: -r not specified; omitting directory '/etc/skel'
[root@vbox ~]# su - Raksha
[Raksha@vbox ~]$ ls -a
.  ..  .bash_history  .bash_logout  .bash_profile  .bashrc  .cache  .mozilla
```

Usermod:

```
[root@vbox ~]# usermod -u 2000 gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/levis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:2000:1004:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User2:x:1005:1004:/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/home/User2:/bin/bash
User5:x:1008:1008:/home/User:/bin/bash
User6:x:1009:1009:/home/User6:/sbin/nologin
```

```
[root@vbox ~]# usermod -g 1002 gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/levis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:2000:1002:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User2:x:1005:1004:/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/home/User2:/bin/bash
User5:x:1008:1008:/home/User:/bin/bash
User6:x:1009:1009:/home/User6:/sbin/nologin
```

```

[root@vbox ~]# usermod -c "Mentore Solution" gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:998:998:User for polkitd:/:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/:usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/:usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/:usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/:run/gnome-initial-setup:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/:/sbin/nologin
Sakshi:x:1000:1000:/:home/Sakshi:/bin/bash
User1:x:1001:1001:/:home/User1:/bin/bash
gunjan:x:2000:1002:Mentore Solution:/home/gunjan:/bin/bash
Raksha:x:1004:1005:/:home/Raksha:/bin/bash
User2:x:1005:1004:/:home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/:home/User2:/bin/bash
User5:x:1008:1008:/:home/User:/bin/bash
User6:x:1009:1009:/:home/User6:/sbin/nologin

```

```

[root@vbox ~]# usermod -d /home/User1 gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:998:998:User for polkitd:/:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/:usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/:usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/:usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/:run/gnome-initial-setup:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/:/sbin/nologin
Sakshi:x:1000:1000:/:home/Sakshi:/bin/bash
User1:x:1001:1001:/:home/User1:/bin/bash
gunjan:x:2000:1002:Mentore Solution:/home/User1:/bin/bash
Raksha:x:1004:1005:/:home/Raksha:/bin/bash
User2:x:1005:1004:/:home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/:home/User2:/bin/bash
User5:x:1008:1008:/:home/User:/bin/bash
User6:x:1009:1009:/:home/User6:/sbin/nologin

```

```

[root@vbox ~]# usermod -s /sbin/nologin gunjan
[root@vbox ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:system message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:CLEVIS Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
User1:x:1001:1001:/home/User1:/bin/bash
gunjan:x:2000:1002:Mentore Solution:/home/User1:/sbin/nologin
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User2:x:1005:1004:/home/User2:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/home/User2:/bin/bash
User5:x:1008:1008:/home/User:/bin/bash
User6:x:1009:1009:/home/User6:/sbin/nologin

```

```

[root@vbox ~]# usermod -L User3
[root@vbox ~]# su - Raksha
[Raksha@vbox ~]$ su - User3
Password:
123
su: Authentication failure
[Raksha@vbox ~]$ 123
bash: 123: command not found...
[Raksha@vbox ~]$ passwd user3
passwd: Only root can specify a user name.
[Raksha@vbox ~]$ passwd User3
passwd: Only root can specify a user name.
[Raksha@vbox ~]$
logout
[root@vbox ~]# passwd User3
Changing password for user User3.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@vbox ~]# usermod -L User3
[root@vbox ~]# su - Raksha
[Raksha@vbox ~]$ su - User3
Password:
123su: Authentication failure
[Raksha@vbox ~]$

```

```

[logu@vbox ~]$ usermod -U User3
[logu@vbox ~]$ su - Raksha
[Raksha@vbox ~]$ su - User3
Password:
[User3@vbox ~]$

```

Userdel:

```

userdel: user 'gunjan' does not exist
[logu@vbox ~]$ userdel User2
[logu@vbox ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:998:User for polkitd:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/sbin/nologin
libstoragemgmt:x:996:996:daemon account for libstoragemgmt:/usr/sbin/nologin
geoclue:x:995:995:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/usr/sbin/nologin
colord:x:994:994:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:993:993:User for sssd:/sbin/nologin
clevis:x:992:992:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:991:991:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:990:990:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
flatpak:x:989:989:Flatpak system helper:/usr/sbin/nologin
gdm:x:42:42:GNOME Display Manager:/var/lib/gdm:/usr/sbin/nologin
gnome-initial-setup:x:988:987:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:987:986:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:986:985:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/usr/sbin/nologin
Sakshi:x:1000:1000:/home/Sakshi:/bin/bash
gunjan:x:2000:1002:Mentore Solution:/home/User1:/sbin/nologin
Raksha:x:1004:1005:/home/Raksha:/bin/bash
User3:x:1006:1006:Mentore Solution:/home/User3:/bin/bash
User4:x:1007:1007:/home/User2:/bin/bash
User5:x:1008:1008:/home/User:/bin/bash
User6:x:1009:1009:/home/User6:/sbin/nologin

```

```

userdel: user 'User1' does not exist
[logu@vbox ~]$ userdel -r User3
[logu@vbox ~]$ cd /home
[logu@vbox home]$ ls
gunjan  raksha  sakshi  User  User2  User6

```