

1-sudo useradd -m itiusers1

sudo useradd -m itiusers2

2-sudo groupadd os-team

3-mkdir os-team-workspace

4-sudo chgrp os-team os-team-workspace

sudo chmod g+s os-team-workspace

5-sudo usermod -a -G os-team itiusers1

sudo usermod -a -G os-team itiusers2

6-sudo login (for users1, users2)

cd os-team

touch mydir1 (in users1)

touch mydir2 (in users2)

7-ls -lah

```
samar@samar-VirtualBox:~$ ls -lah
total 120K
drwxr-x--- 24 samar samar  4.0K 23:11 12 فير .
drwxr-xr-x  5 root  root   4.0K 22:55 12 فير ..
-rw-----  1 samar samar  2.2K 23:19 12 فير .bash_history
-rw-r--r--  1 samar samar 220 13:26 1 فير .bash_logout
-rw-r--r--  1 samar samar  3.7K 13:26 1 فير .bashrc
drwx----- 13 samar samar  4.0K 13:58 12 فير .cache
drwx----- 14 samar samar  4.0K 23:19 12 فير .config
drwxr-xr-x  2 samar samar  4.0K 13:34 1 فير Desktop
drwxr-xr-x  2 samar samar  4.0K 13:34 1 فير Documents
drwxr-xr-x  2 samar samar  4.0K 13:34 1 فير Downloads
-rw-rw-r--  1 samar samar    10 16:38 1 فير file1.txt
drwx-----  2 samar samar  4.0K 13:35 1 فير .gnupg
drwxrwxr-x  2 samar samar  4.0K 16:14 1 فير iti
drwxrwxr-x  2 samar samar  4.0K 16:36 1 فير iti-0
drwxrwxr-x  2 samar samar  4.0K 14:57 8 فير iti0
drwxrwxr-x  2 samar samar  4.0K 16:07 1 فير iti1
drwxrwxr-x  2 samar samar  4.0K 16:07 1 فير iti2
-rw-----  1 samar samar    20 16:21 1 فير .lessht
drwx-----  3 samar samar  4.0K 13:34 1 فير .local
-rw-rw-r--  1 samar samar     0 16:25 1 فير logfile.log
drwxr-xr-x  2 samar samar  4.0K 13:34 1 فير Music
drwxrwxr-x  2 samar samar  4.0K 23:11 12 فير mydir1
drwxrwxr-x  2 samar samar  4.0K 23:11 12 فير mydir2
drwxrwsr-x  2 samar os-team 4.0K 22:57 12 فير os-team-workspace
drwxr-xr-x  2 samar samar  4.0K 13:34 1 فير Pictures
```

8-pstree

```
samar@samar-VirtualBox:~$ pstree
systemd├─ModemManager─2*[{ModemManager}]
      ├─NetworkManager─2*[{NetworkManager}]
      ├─accounts-daemon─2*[{accounts-daemon}]
      ├─acpid
      ├─apache2─2*[apache2─26*[{apache2}]]
      ├─apt.systemd.dai─apt.systemd.dai─unattended-upgr─2*[http]
      │                                                    └─2*[{unattended+
      ├─avahi-daemon─avahi-daemon
      ├─colord─2*[{colord}]
      ├─cron
      ├─cups-browsed─2*[{cups-browsed}]
      ├─cupsd
      ├─dbus-daemon
      ├─fwupd─4*[{fwupd}]
      ├─gdm3├─gdm-session-wor├─gdm-wayland-ses├─gnome-session-b─2*[{gno+
      │      │               │               │      └─2*[{gdm-wayland-ses}]
      │      └─2*[{gdm3}]
      │      └─2*[{gdm-session-wor}]
      ├─gnome-keyring-d─3*[{gnome-keyring-d}]
      ├─gpg-agent
      ├─htcacheclean
      ├─2*[kerneloops]
      ├─networkd-dispat
      ├─packagekitd─2*[{packagekitd}]
      ├─polkitd─2*[{polkitd}]
      ├─power-profiles-─2*[{power-profiles-}]
      └─rsyslogd─3*[{rsyslogd}]
```

```

packagekitd—2*[{packagekitd}]
polkitd—2*[{polkitd}]
power-profiles—2*[{power-profiles-}]
rsyslogd—3*[{rsyslogd}]
rtkit-daemon—2*[{rtkit-daemon}]
snapd—10*[{snapd}]
switcheroo-cont—2*[{switcheroo-cont}]
systemd—(sd-pam)
    at-spi2-registr—2*[{at-spi2-registr}]
    dbus-daemon
    dconf-service—2*[{dconf-service}]
    evolution-addre—5*[{evolution-addre}]
    evolution-calen—8*[{evolution-calen}]
    evolution-sourc—3*[{evolution-sourc}]
    2*[{gjs—4*[{gjs}]]]
    gnome-session-b—(at-spi-bus-laun—dbus-daemon
        3*[{at-spi-bus-laun}]
        evolution-alarm—5*[{evolution-alarm}]
        gsd-disk-utilit—2*[{gsd-disk-utilit}]
        update-notifier—3*[{update-notifier}]
        3*[{gnome-session-b}])
    gnome-session-c—{gnome-session-c}
    gnome-shell—Xwayland
        gjs—5*[{gjs}]
        snap-store—4*[{snap-store}]
        9*[{gnome-shell}]
    gnome-shell-cal—5*[{gnome-shell-cal}]
    gnome-terminal—bash—pstree
        3*[{gnome-terminal-}]

```

```

ibus-portal—2*[{ibus-portal}]
ibus-x11—2*[{ibus-x11}]
pipewire—{pipewire}
pipewire-media—{pipewire-media-}
pulseaudio—3*[{pulseaudio}]
seahorse—3*[{seahorse}]
sh—ibus-daemon—ibus-dconf—3*[{ibus-dconf}]
                        ibus-engine-sim—2*[{ibus-engine-sim}]
                        ibus-extension—3*[{ibus-extension-}]
                        2*[{ibus-daemon}]
snap—6*[{snap}]
snapd-desktop-i—snapd-desktop-i—3*[{snapd-desktop-i}]
tracker-miner-f—5*[{tracker-miner-f}]
xdg-desktop-por—5*[{xdg-desktop-por}]
2*[{xdg-desktop-por—3*[{xdg-desktop-por}]]]
xdg-document-po—fusermount3
                        5*[{xdg-document-po}]
xdg-permission—2*[{xdg-permission-}]
systemd-journal
systemd-logind
systemd-oomd
systemd-resolve
systemd-timesyn—{systemd-timesyn}
systemd-udev
udisksd—4*[{udisksd}]
unattended-upgr—{unattended-upgr}
upowerd—2*[{upowerd}]
wpa_supplicant

```

9-tail -f /var/log/syslog

```

wpa_supplicant
samar@samar-VirtualBox:~$ tail -f /var/log/syslog
Feb 12 23:10:40 samar-VirtualBox systemd[764]: Started Application launched by
gnome-shell.
Feb 12 23:10:40 samar-VirtualBox dbus-daemon[843]: [session uid=1000 pid=843] A
ctivating via systemd: service name='org.gnome.Terminal' unit='gnome-terminal-s
erver.service' requested by ':1.423' (uid=1000 pid=14504 comm="/usr/bin/gnome-t
erminal.real " label="unconfined")
Feb 12 23:10:40 samar-VirtualBox systemd[764]: Starting GNOME Terminal Server..
.
Feb 12 23:10:41 samar-VirtualBox dbus-daemon[843]: [session uid=1000 pid=843] S
uccessfully activated service 'org.gnome.Terminal'
Feb 12 23:10:41 samar-VirtualBox systemd[764]: Started GNOME Terminal Server.
Feb 12 23:10:41 samar-VirtualBox systemd[764]: Started VTE child process 14527
launched by gnome-terminal-server process 14509.
Feb 12 23:11:16 samar-VirtualBox dbus-daemon[843]: [session uid=1000 pid=843] A
ctivating via systemd: service name='org.freedesktop.Tracker3.Miner.Extract' un
it='tracker-extract-3.service' requested by ':1.82' (uid=1000 pid=1363 comm="/u
sr/libexec/tracker-miner-fs-3 " label="unconfined")
Feb 12 23:11:16 samar-VirtualBox systemd[764]: Starting Tracker metadata extrac
tor...
Feb 12 23:11:16 samar-VirtualBox dbus-daemon[843]: [session uid=1000 pid=843] S
uccessfully activated service 'org.freedesktop.Tracker3.Miner.Extract'
Feb 12 23:11:16 samar-VirtualBox systemd[764]: Started Tracker metadata extract
or.

```

10-kill -9 16086

```
^Z
[1]+  Stopped                  tail -f /var/log/syslog
samar@samar-VirtualBox:~$ ps
  PID TTY          TIME CMD
 15870 pts/0    00:00:00 bash
 16086 pts/0    00:00:00 tail
 16091 pts/0    00:00:00 ps
samar@samar-VirtualBox:~$ kill -9 16086
samar@samar-VirtualBox:~$ ps
  PID TTY          TIME CMD
 15870 pts/0    00:00:00 bash
 16092 pts/0    00:00:00 ps
[1]+  Killed                  tail -f /var/log/syslog
samar@samar-VirtualBox:~$
```