Lab3 Objectives:

- 1. create users called itiuser1, itiuser2
 - command:
 - sudo useradd -m itiuser1
 - sudo useradd -m itiuser?
 - sudo passwd itiuser1
 - sudo passwd itiuser1
 - screen shot:

```
mariam@mariam-VirtualBox:~$ sudo useradd -m itiuser1
[sudo] password for mariam:
mariam@mariam-VirtualBox:~$ sudo useradd -m itiuser2

mariam@mariam-VirtualBox:~$ cd ..
mariam@mariam-VirtualBox:/home$ ls
itiuser1 itiuser2 mariam
```

```
nariam@mariam-VirtualBox:~/Desktop$ sudo passwd itiuser1
New password:
Netype new password:
Dasswd: password updated successfully
Nariam@mariam-VirtualBox:~/Desktop$ sudo passwd itiuser2
New password:
Netype new password:
Dasswd: password updated successfully
```

- 2. create group called os_team
 - commands:
 - sudo groupadd os_team
 - screen shot:

```
mariam@mariam-VirtualBox:/home$ sudo groupadd os_team
```

- 3. create directory called os_team_workspace
 - commands:
 - mkdir os_team_workspace
 - screen shot:

- 4. assign os_team group to the directory os_team_workspaceand change mode to setgid (hint use sudo)
 - commands:
 - sudo chgrp os_team~/Documents/sys-admin-labs/lab3/os_team_workspace
 - sudo chmod g+s os_team_workspace
 - screen shot:

```
mariam@mariam-VirtualBox:-/Documents/sys-admin-labs/lab3$ sudo chgrp os_team ~/Documents/sys-admin-labs/lab3
/os_team_workspace
mariam@mariam-VirtualBox:-/Documents/sys-admin-labs/lab3$ ls -l
total 4
'drwxrwxr-x 2 mariam os_team 4096 01:03 17 فبر os_team_workspace
mariam@mariam-VirtualBox:-/Documents/sys-admin-labs/lab3$ sudo chmod g+s os_team_workspace
mariam@mariam-VirtualBox:-/Documents/sys-admin-labs/lab3$ ls -l
total 4
drwxrwsr-x 2 mariam os_team 4096 01:03 17 فبر os_team_work_space
```

- 5. add users itituser1 and itituser2 to os teamgroup
 - commands:
 - o sudo usermod -a -G os team itiuser1
 - sudo usermod -a -G os_team itiuser2
 - screen shot:

```
mariam@mariam-VirtualBox:~/Documents/sys-admin-labs/lab3$ sudo usermod -a -G os_team itiuser1
mariam@mariam-VirtualBox:~/Documents/sys-admin-labs/lab3$ groups itiuser1
itiuser1 : itiuser1 os_team
mariam@mariam-VirtualBox:~/Documents/sys-admin-labs/lab3$ sudo usermod -a -G os_team itiuser2
mariam@mariam-VirtualBox:~/Documents/sys-admin-labs/lab3$ groups itiuser2
itiuser2 : itiuser2 os team
```

- 6. create directory mydir1 using itiuser1 and mydir2 using itiuser2
 - commands:
 - user1:
 - sudo login
 - mkdir mydir1
 - |s -|

o screen shot:

o user2:

- sudo login
- mkdir mydir2
- |s -|

o screen shot:

- 7. send screenshot of all processes in tree mod
 - commands:
 - o pstree
 - screen shot:

```
$ pstree
 ariam@mariam-VirtualBox:-
                                                                                                                                           —goa-identity-se——2*[{goa-identity-se}]
—gsd-a11y-settin——3*[{gsd-a11y-settin}]
—NetworkManager — 2*[{NetworkManager}]
—VBoxDRMClient——4*[{VBoxDRMClient}]
—VBoxService——8*[{VBoxService}]
                                                                                                                                          —gsd-color——3*[{gsd-color}]
—gsd-datetime——3*[{gsd-datetime}]
—gsd-housekeepin——3*[{gsd-housekeepin}]
—gsd-keyboard——3*[{gsd-keyboard}]
            -accounts-daemon---2*[{accounts-daemon}]
             -acptd
                                                                                                                                           -gsd-media-keys---3*[{gsd-media-keys}]
            -apache2---2*[apache2---26*[{apache2}]]
                                                                                                                                           -gsd-power---3*[{gsd-power}]
            -avahi-daemon---avahi-daemon
                                                                                                                                           gsd-print-notif—2*[{gsd-print-notif}]
-gsd-printer—2*[{gsd-printer}]
            -colord--2*[{colord}]
            -cron
                                                                                                                                          -gsd-rfkill--2*[{gsd-rfkill}]
                                                                                                                                          gsd-screensaver—2*[{gsd-screensaver}]
gsd-sharing—3*[{gsd-sharing}]
gsd-smartcard—3*[{gsd-smartcard}]
gsd-sound—3*[{gsd-sound}]
gsd-wacom—3*[{gsd-wacom}]
            -cups-browsed---2*[{cups-browsed}]
            -cupsd
             -dbus-daemon
             -fwupd---4*[{fwupd}]
             -gdm3-gdm-session-wor-gdm-wayland-ses-gnome-session-b-2*[{gnom+
-2*[{gdm-wayland-ses}]
                                                                                                                                          └─2*[{gdm-session-wor}]
                      -2*[{gdm3}]
             -gnome-keyring-d---3*[{gnome-keyring-d}]
                                                                                                                                           -gvfs-gphoto2-vo---2*[{gvfs-gphoto2-vo}]
             -irqbalance---{irqbalance}
                                                                                                                                          -gyrs-mtp-volume—2*[{gyrs-gyndcoz-vo}}
-gyrs-mtp-volume—2*[{gyrs-mtp-volume}}
-gyrs-udisks2-vo—3*[{gyrs-udisks2-vo}}
-gyrsd-trash—2*[{gyrsd-trash}]
-2*[{gyrsd}]
             -2*[kerneloops]
            -networkd-dispat
            -packagekitd --- 2*[{packagekitd}]
            -polkitd--2*[{polkitd}]
                                                                                                                                           -gvfsd-fuse---5*[{gvfsd-fuse}]
-gvfsd-metadata---2*[{gvfsd-metadata}]
-lbus-portal---2*[{lbus-portal}]
            -power-profiles----2*[{power-profiles-}]
-rsyslogd---3*[{rsyslogd}]
            -rtkit-daemon-2*[{rtkit-daemon}]
                                                                                                                                          —ibus-x11——2*[{ibus-x11}]
—pipewire——{pipewire}
            -snapd---12*[{snapd}]
             -switcheroo-cont---2*[{switcheroo-cont}]
                                                                                                                                           -pipewire-media----{pipewire-media-}
-pulseaudio---3*[{pulseaudio}]
            -systemd--(sd-pam)
-VBoxClient---VBoxClient---3*[{VBoxClient}]
                           -VBoxClient---VBoxClient---4*[{VBoxClient}]
-VBoxClient---VBoxClient--2*[{VBoxClient}]
                                                                                                                                           -sh-ibus-daemon-ibus-dconf-3*[{ibus-dconf}]
                                                                                                                                                                 —ibus-engine-sim——2*[{ibus-engine-sim}]
—ibus-extension-——3*[{ibus-extension-}]
                           -at-spi2-registr---2*[{at-spi2-registr}]
                                                                                                                                                                 -2*[{tbus-daemon}]
                            -dbus - daemon
                           -dconf-service---2*[{dconf-service}]
-evolution-addre---5*[{evolution-addre}]
-evolution-calen---12*[{evolution-calen}]
                                                                                                                                           -snap-store---4*[{snap-store}]
                                                                                                                                          -xdg-desktop-por---5*[{xdg-desktop-por}]
                           -evolution-sourc---3*[{evolution-sourc}]
                                                                                                                                           -2*[xdg-desktop-por---3*[{xdg-desktop-por}]]
                           -2*[gjs---4*[{gjs}]]
                                                                                                                                          -xdg-document-po-fusermount3

5*[{xdg-document-po}]
                           -gnome-session-b--at-spi-bus-laun--dbus-daemon
-3*[{at-spi-bus-laun}]
                                                      -evolution-alarm---5*[{evolution-alarm}]
                                                                                                                                           -xdg-permission----2*[{xdg-permission-}]
                                                     -gsd-disk-utilit---2*[{gsd-disk-utilit}j
-update-notifier---3*[{update-notifier}]
                                                                                                                               -systemd-journal
                                                                                                                               -systemd-logind
                                                                                                                               -systemd-oomd
                                                     -3*[{gnome-session-b}]
                                                                                                                               -systemd-resolve
                            -gnome-session-c---{gnome-session-c}
                            gnome-shell——Xwayland
                                                                                                                               -systemd-timesyn---{systemd-timesyn}
                                              _gjs—_5*[{gjs}]
_13*[{gnome-shell}]
                                                                                                                               -systemd-udevd
                                                                                                                               -udisksd---4*[{udisksd}]
                            gnome-shell-cal—5*[{gnome-shell-cal}]
                                                                                                                               -unattended-upgr---{unattended-upgr}
                           -2*[gnome-terminal-gnome-terminal.—3*[{gnome-terminal.}]+-gnome-terminal----2*[bash-sudo-sudo-login-sh]
                                                                                                                              -upowerd-2*[{upowerd}]
                                                                                                                               -wpa_supplicant
```

- 8. execute command tail -f /var/log/syslog
 - commands:
 - tail -f /var/log/syslog
 - screen shot:

- 10. find the process id PID of tail process then kill it using kill command
 - commands:
 - o ps -aux
 - o sudo kill -9 3619
 - screen shot:

```
nariam
                                583020
mariam
              3638
                    0.0
                          0.0
                                19800
                                         5236 pts/0
                                                               15:03
                                                                         0:00 bash
root
              3644
                    0.0
                          0.0
                                23176
                                         6072 pts/0
                                                               15:03
                                                                         0:00 sudo login
                          0.0
root
              3647
                    0.0
                                23176
                                         2576 pts/1
                                                          Ss
                                                               15:03
                                                                         0:00 sudo login
                    0.0
root
              3648
                          0.0
                                22364
                                         5400 pts/1
                                                               15:03
                                                                         0:00 login
itiuser1
              3728
                          0.0
                                 2888
                                         996 pts/1
                                                               15:04
                                                                         0:00 -sh
martam
              3789
                          0.0
                                19800
                                         5232 pts/3
                                                         Ss
                                                                         0:00 bash
              3799
                    0.0
                                23040
                                         5944 pts/3
                                                         5+
                                                               15:11
                                                                         0:00 sudo login
root
                          0.0
                    0.0
                                23040
                                         2516 pts/4
                                                         Ss
                                                                              sudo login
              3800
                          0.0
                                                               15:11
                                                                         0:00
root
              3801
                          0.0
                                22372
                                         5328 pts/4
                                                               15:11
                                                                         0:00 login
root
                    0.0
itiuserz
              3837
                                          972 pts/4
                          0.0
                                 2888
                                                               15:11
                                                                         0:00
                                                                               -sh
              4007
                                                                         0:00 [kworker/1:0-
root
                          0.0
                                                                15:31
root
              4010
                    0.0
                          0.0
                                                                15:31
                                                                         0:00
                                                                              [kworker/0:3-
                    0.0
                                                                         0:00 [kworker/u4:1
0:00 [kworker/u4:2
              4011
root
                          0.0
                                                                15:32
              4019
                    0.0
                          0.0
                                                                15:37
root
                                                                         0:02 gjs /usr/shar
0:00 [kworker/0:1-
martam
              4048
                          0.8 2817408 71644 ?
                                                               15:42
                                0 0 ?
44500 19176 ?
root
              4109
                    0.0
                          0.0
                                                               15:42
                                                                        0:00 /usr/bin/pyth
0:00 /usr/bin/gnom
0:00 bash
martam
              4112
                    0.1
                          0.2
                                                               15:42
                          0.3 391792 27712 ?
martam
              4113
                    0.3
                                                               15:42
martam
              4118
                    0.0
                          0.0
                                         5276 pts/2
                                19800
                                                         Ss
                                                               15:42
martam
                                        1056 pts/2
                                                                         0:00 tail
              4129
                    0.0
                          0.0
                                17060
                                                               15:43
                    1.1
3.1
                                                                         0:00 /usr/bin/pyth
0:00 /usr/bin/gnom
              4135
                          0.2
                                44500 19448
martam
                                                               15:45
              4136
                          0.3
                               391804 27400
                                                               15:45
nartam
                    0.3
                                                                         0:00 bash
                          0.0
                                         5112 pts/5
                                                               15:45
mariam
              4141
                                19800
                                                         Ss
                                       3736 pts/5 R+
$ sudo kill -9 3619
                    0.0
artam
              4173
                          0.0
                                21596
                                                                         0:00 ps -aux
 ariam@mariam-VirtualBox:
```