Lab3

- create users called itiuser1, itiuser2

```
nada@Ubuntu:~$ sudo adduser itiuser1
[sudo] password for nada:
Adding user `itiuser1' ...
Adding new group `itiuser1' (1001) ...
Adding new user `itiuser1' (1001) with group `itiuser1' ...
Creating home directory `/home/itiuser1' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
Changing the user information for itiuser1
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
nada@Ubuntu:~$ sudo adduser itiuser2
Adding user `itiuser2' ...
Adding new group `itiuser2' (1002) ...
Adding new user `itiuser2' (1002) with group `itiuser2' ...
Creating home directory `/home/itiuser2' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
Changing the user information for itiuser2
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
```

- create group called os_team , directory called os_team_workspace

```
nada@Ubuntu:~$ sudo groupadd os_team
nada@Ubuntu:~$ mkdir os_team_workspace
```

- assign os_team group to the directory os_team_workspaceand change mode to setgid (hint use sudo)

```
nada@Ubuntu:~$ sudo chgrp os_team os_team_workspace
nada@Ubuntu:~$ ls -lg
total 44
drwxr-xr-x 2 nada    4096 Feb 12 13:37 Desktop
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Documents
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Downloads
drwxrwxr-x 2 nada    4096 Feb  8 14:08 iti-0
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Music
drwxrwxr-x 2 os_team 4096 Feb 15 14:24 os_team_workspace
drwxr-xr-x 3 nada    4096 Feb  1 13:43 Pictures
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Public
drwx------ 4 nada    4096 Feb  1 15:24 snap
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Templates
drwxr-xr-x 2 nada    4096 Feb  1 13:08 Videos
```

- add users itituser1 and itituser2 to os_teamgroup

```
nada@Ubuntu:~$ sudo usermod -G os_team itiuser1
nada@Ubuntu:~$ sudo usermod -G os_team itiuser2
nada@Ubuntu:~$ getent group os_team
os_team:x:1003:itiuser1,itiuser2
```

- create directory mydir1 using itiuser1 and mydir2 using itiuser2 , list directory permissions and send screenshot.

```
nada@Ubuntu:~$ sudo login
[sudo] password for nada:
Ubuntu login: itiuser1
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-58-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

271 updates can be applied immediately.
137 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Last login: Wed Feb 15 14:40:25 EET 2023 on pts/2
itiuser1@Ubuntu:~$ mkdir mydir1
itiuser1@Ubuntu:~$ ls -ld
drwxr-x--- 4 itiuser1 os_team 4096 14:43 15 فبر .
itiuser1@Ubuntu:~$ ls -lg
total 4
drwxr-xr-x 2 os_team 4096 14:43 15 فبر mydir1
nada@Ubuntu:~$ sudo login
[sudo] password for nada:
Ubuntu login: itiuser2
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-58-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

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The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

itiuser2@Ubuntu:~$ mkdir mydir2
itiuser2@Ubuntu:~$ ls -lg
total 4
drwxr-xr-x 2 os_team 4096 14:46 15 فبر mydir2
```

- send screenshot of all processes in tree mod

```
nada@Ubuntu:~$ pstree
systemd─┬─ModemManager───2*[{ModemManager}]
        ├─NetworkManager───2*[{NetworkManager}]
        ├─3*[VBoxClient───VBoxClient───3*[{VBoxClient}]]
        ├─VBoxClient───VBoxClient───4*[{VBoxClient}]
        ├─VBoxDRMClient───4*[{VBoxDRMClient}]
        ├─VBoxService───8*[{VBoxService}]
        ├─accounts-daemon───2*[{accounts-daemon}]
        ├─acpid
        ├─apache2───2*[apache2───26*[{apache2}]]
        ├─apt.systemd.dai───apt.systemd.dai───unattended-upgr───2*[{unattended-upgr}]
        ├─avahi-daemon───avahi-daemon
        ├─colord───2*[{colord}]
        ├─cron
        ├─cups-browsed───2*[{cups-browsed}]
        ├─cupsd
        ├─dbus-daemon
        ├─gdm3─┬─gdm-session-wor─┬─gdm-x-session─┬─Xorg───{Xorg}
        │      │                 │               ├─gnome-session-b───2*[{gnome-session-b}]
        │      │                 │               └─2*[{gdm-x-session}]
        │      │                 └─2*[{gdm-session-wor}]
        │      └─2*[{gdm3}]
        ├─gnome-keyring-d───3*[{gnome-keyring-d}]
        ├─irqbalance───{irqbalance}
        ├─2*[kerneloops]
        ├─networkd-dispat
        ├─packagekitd───2*[{packagekitd}]
        ├─polkitd───2*[{polkitd}]
```

- execute command tail -f /var/log/syslog

```
nada@Ubuntu:~$ sudo tail -f /var/log/syslog
[sudo] password for nada:
Feb 15 14:40:33 Ubuntu systemd[1730]: Started VTE child process 3444 launched by gnome-terminal-server process 3108.
Feb 15 14:40:48 Ubuntu check-new-release-gtk[3368]: WARNING:root:timeout reached, exiting
Feb 15 14:40:49 Ubuntu systemd[1730]: Finished Notification regarding a new release of Ubuntu.
Feb 15 14:40:49 Ubuntu systemd[1730]: update-notifier-release.service: Consumed 3.418s CPU time.
Feb 15 14:41:42 Ubuntu systemd[1]: Starting Discard unused blocks on filesystems from /etc/fstab...
Feb 15 14:41:43 Ubuntu systemd[1]: fstrim.service: Deactivated successfully.
Feb 15 14:41:43 Ubuntu systemd[1]: Finished Discard unused blocks on filesystems from /etc/fstab.
Feb 15 14:42:27 Ubuntu systemd[1]: Starting Daily apt upgrade and clean activities...
Feb 15 14:44:39 Ubuntu /usr/libexec/gdm-x-session[1763]: (EE) event5  - VirtualBox USB Tablet: client bug: event processing lagging behind by
47ms, your system is too slow
Feb 15 14:44:56 Ubuntu systemd[1730]: Started VTE child process 3557 launched by gnome-terminal-server process 3108.
Feb 15 14:53:17 Ubuntu update-notifier.desktop[4579]: /var/cache/apt/archives/lock:
```

- find the process id PID of tail process then kill it using kill command

```
nada@Ubuntu:~$ ps
    PID TTY          TIME CMD
   8081 pts/5    00:00:00 bash
   8097 pts/5    00:00:00 ps
nada@Ubuntu:~$ ps -aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.1  0.6 167908 13224 ?        Ss   14:05   0:06 /sbin/init splash
root           2  0.0  0.0      0     0 ?        S    14:05   0:00 [kthreadd]
root        3565  0.0  0.0  23488   972 pts/4    Ss   14:45   0:00 sudo login
root        3566  0.0  0.2  22688  4936 pts/4    S    14:45   0:00 login
itiuser2    3601  0.0  0.1  20056  3756 pts/4    S+   14:45   0:00 -bash
root        3988  0.0  0.0      0     0 ?        I    14:52   0:00 [kworker/u4:2-events_power_efficient]
root        7279  0.0  0.0      0     0 ?        I    14:59   0:00 [kworker/u4:0-flush-8:0]
nada        8081  0.0  0.2  20116  5100 pts/5    Ss   15:01   0:00 bash
root        8262  0.1  0.0      0     0 ?        I    15:02   0:00 [kworker/u4:4-events_unbound]
root       10669  0.1  0.2  23324  5928 pts/0    S+   15:05   0:00 sudo tail -f /var/log/syslog
root       10671  0.0  0.0  23324   948 pts/6    Ss   15:05   0:00 sudo tail -f /var/log/syslog
root       10672  0.0  0.0  17380  1004 pts/6    S+   15:05   0:00 tail -f /var/log/syslog
nada       10743  0.0  0.1  21908  3736 pts/5    R+   15:06   0:00 ps -aux
nada@Ubuntu:~$ sudo kill -9 10669
```

```
nada@Ubuntu:~$ sudo tail -f /var/log/syslog
Feb 15 15:02:07 Ubuntu tracker-extract[8169]: Could not get mimetype, Error when getting information for file "/usr/share/applications/libreof
fice-math.desktop.dpkg-tmp": No such file or directory
Feb 15 15:02:07 Ubuntu tracker-extract[8169]: Task for 'file:///usr/share/applications/libreoffice-math.desktop.dpkg-tmp' finished with error:
 Error when getting information for file "/usr/share/applications/libreoffice-math.desktop.dpkg-tmp": No such file or directory
Feb 15 15:02:09 Ubuntu tracker-extract[8169]: Could not get mimetype, Error when getting information for file "/usr/share/applications/libreof
fice-draw.desktop.dpkg-tmp": No such file or directory
Feb 15 15:02:11 Ubuntu tracker-extract[8169]: Task for 'file:///usr/share/applications/libreoffice-draw.desktop.dpkg-tmp' finished with error:
 Error when getting information for file "/usr/share/applications/libreoffice-draw.desktop.dpkg-tmp": No such file or directory
Feb 15 15:02:33 Ubuntu update-notifier.desktop[9157]: /var/lib/dpkg/lock:
Feb 15 15:04:24 Ubuntu dbus-daemon[1753]: [session uid=1000 pid=1753] Activating via systemd: service name='org.freedesktop.Tracker3.Miner.Ext
ract' unit='tracker-extract-3.service' requested by ':1.7' (uid=1000 pid=1807 comm="/usr/libexec/tracker-miner-fs-3 " label="unconfined")
Feb 15 15:04:24 Ubuntu systemd[1730]: Starting Tracker metadata extractor...
Feb 15 15:04:24 Ubuntu dbus-daemon[1753]: [session uid=1000 pid=1753] Successfully activated service 'org.freedesktop.Tracker3.Miner.Extract'
Feb 15 15:04:24 Ubuntu systemd[1730]: Started Tracker metadata extractor.
Feb 15 15:05:24 Ubuntu update-notifier.desktop[10471]: /run/unattended-upgrades.lock:
Killed
nada@Ubuntu:~$
```

Activate Windows
Go to Settings to activate Windows.