```
mazen@mazen-VirtualBox:~$ sudo adduser itiuser1
[sudo] password for mazen:
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 based on a diction
ary word
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 []: itiuser1
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] Y
mazen@mazen-VirtualBox:~$ sudo adduser itiuser2
Adding user `itiuser2' ...
Adding new group `itiuser2' (1002) ...
```

```
        Other []:
Is the information correct? [Y/n] Y
mazen@mazen-VirtualBox:~$ sudo addgroup os_team
Adding group `os_team' (GID 1003) ...
Done.
mazen@mazen-VirtualBox:~$ mkdir os_team_workspace
mazen@mazen-VirtualBox:~$ li
li: command not found
mazen@mazen-VirtualBox:~$ ls
Desktop      Downloads   Music                      Pictures   snap         Videos
Documents  iti-0           os_team_workspace  Public     Templates
mazen@mazen-VirtualBox:~$ sudo chgrp os_team os_team_workspace
mazen@mazen-VirtualBox:~$ sudo chmod g+s os_team_workspace
mazen@mazen-VirtualBox:~$ sudo usermod -G os_team itiuser1
mazen@mazen-VirtualBox:~$ sudo usermod -G os_team itiuser2
mazen@mazen-VirtualBox:~$ groups
mazen adm cdrom sudo dip plugdev lpadmin lxd sambashare
mazen@mazen-VirtualBox:~$ sudo login
mazen-VirtualBox login: itiuser1
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-60-generic x86_64)
```

```
itiuser1@mazen-VirtualBox:~$ groups
itiuser1 os_team
itiuser1@mazen-VirtualBox:~$ logout
mazen@mazen-VirtualBox:~$ sudo login
mazen-VirtualBox login: itiuser1
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-60-generic x86_64)

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

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

Last login: 21:18:36 20 فبر ن EET 2023 on pts/1
itiuser1@mazen-VirtualBox:~$ mkdir mydir1
itiuser1@mazen-VirtualBox:~$ ls
mydir1
itiuser1@mazen-VirtualBox:~$ logout
mazen@mazen-VirtualBox:~$ sudo login
mazen-VirtualBox login: itiuser2
```

```
itiuser2@mazen-VirtualBox:~$ groups
itiuser2 os_team
itiuser2@mazen-VirtualBox:~$ mkdir mydir2
itiuser2@mazen-VirtualBox:~$ ls
mydir2
itiuser2@mazen-VirtualBox:~$ ls-g
Command 'ls-g' not found, did you mean:
  command 'lshg' from deb lsh-client (2.1-13)
Try: apt install <deb name>
itiuser2@mazen-VirtualBox:~$ ls -g
total 4
drwxrwxr-x 2 itiuser2 4096 فبر 20 21:20 mydir2
itiuser2@mazen-VirtualBox:~$ ls -lg
total 4
drwxrwxr-x 2 itiuser2 4096 فبر 20 21:20 mydir2
itiuser2@mazen-VirtualBox:~$ logout
mazen@mazen-VirtualBox:~$ sudo login
mazen-VirtualBox login: itiuser1
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-60-generic x86_64)
```

```
itiuser2@mazen-VirtualBox:~$ ls -lg
total 4
drwxrwxr-x 2 itiuser2 4096 21:20 20 فبر mydir2
```

```
itiuser1@mazen-VirtualBox:~$ ls -lg
total 4
drwxrwxr-x 2 itiuser1 4096 21:19 20 فبر mydir1
```

```
mazen@mazen-VirtualBox:~$ pstree
systemd─┬─ModemManager───2*[{ModemManager}]
        ├─NetworkManager───2*[{NetworkManager}]
        ├─VBoxDRMClient───4*[{VBoxDRMClient}]
        ├─VBoxService───8*[{VBoxService}]
        ├─accounts-daemon───2*[{accounts-daemon}]
        ├─acpid
        ├─apache2───2*[apache2───26*[{apache2}]]
        ├─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*[{gnom+
        │      │                 │                 └─2*[{gdm-wayland-ses}]
        │      │                 └─2*[{gdm-session-wor}]
        │      └─2*[{gdm3}]
        ├─gnome-keyring-d───3*[{gnome-keyring-d}]
        ├─2*[kerneloops]
        ├─networkd-dispat
        ├─packagekitd───2*[{packagekitd}]
        ├─polkitd───2*[{polkitd}]
        ├─power-profiles-───2*[{power-profiles-}]
        ├─rsyslogd───3*[{rsyslogd}]
        ├─rtkit-daemon───2*[{rtkit-daemon}]
        ├─snapd───9*[{snapd}]
        ├─switcheroo-cont───2*[{switcheroo-cont}]
        ├─systemd─┬─(sd-pam)
        │         ├─2*[VBoxClient───VBoxClient───3*[{VBoxClient}]]
```

```
  ├─2*[VBoxClient─────VBoxClient─────3*[{VBoxClient}]]
  ├─VBoxClient─────VBoxClient─────4*[{VBoxClient}]
  ├─VBoxClient─────VBoxClient─────2*[{VBoxClient}]
  ├─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}]
  │             └─9*[{gnome-shell}]
  ├─gnome-shell-cal─────5*[{gnome-shell-cal}]
  ├─gnome-terminal-─┬─bash─────pstree
  │                 └─3*[{gnome-terminal-}]
  ├─goa-daemon─────3*[{goa-daemon}]
  ├─goa-identity-se─────2*[{goa-identity-se}]
  ├─gsd-a11y-settin─────3*[{gsd-a11y-settin}]
  ├─gsd-color─────3*[{gsd-color}]
  ├─gsd-datetime─────3*[{gsd-datetime}]
  ├─gsd-housekeepin─────3*[{gsd-housekeepin}]
  ├─gsd-keyboard─────3*[{gsd-keyboard}]
  ├─gsd-media-keys─────3*[{gsd-media-keys}]
  ├─gsd-power─────3*[{gsd-power}]
```

```
            gvfs-udisks2-vo      3*[{gvfs-udisks2-vo}]
            ├─gvfsd─┬─gvfsd-trash──2*[{gvfsd-trash}]
            │       └─2*[{gvfsd}]
            ├─gvfsd-fuse──5*[{gvfsd-fuse}]
            ├─gvfsd-metadata──2*[{gvfsd-metadata}]
            ├─ibus-portal──2*[{ibus-portal}]
            ├─ibus-x11──2*[{ibus-x11}]
            ├─pipewire──{pipewire}
            ├─pipewire-media-──{pipewire-media-}
            ├─pulseaudio──3*[{pulseaudio}]
            ├─sh──ibus-daemon─┬─ibus-engine-sim──2*[{ibus-engine-sim}]
            │                 ├─ibus-extension-──3*[{ibus-extension-}]
            │                 ├─ibus-memconf──2*[{ibus-memconf}]
            │                 └─2*[{ibus-daemon}]
            ├─snap-store──4*[{snap-store}]
            ├─snapd-desktop-i──snapd-desktop-i──4*[{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-udevd
  ├─udisksd──4*[{udisksd}]
  ├─unattended-upgr──{unattended-upgr}
  ├─upowerd──2*[{upowerd}]
  └─wpa_supplicant
```

```
mazen      2468   0.2   0.0 227508    2460 ?       Sl   20:46    0:08 /usr/bin/VBox
mazen      2476   0.0   0.0  28704     352 ?       S    20:46    0:00 /usr/bin/VBox
mazen      2477   0.0   0.0 160808    2260 ?       Sl   20:46    0:00 /usr/bin/VBox
root       2519   0.1   1.6 458100   81828 ?       Ssl  20:46    0:04 /usr/libexec/
mazen      2871   0.0   0.6 502748   29836 ?       Sl   20:46    0:00 update-notifi
mazen      3631   0.5   1.0 563964   53328 ?       Ssl  20:48    0:14 /usr/libexec/
mazen      3658   0.0   0.1  19668    5212 pts/0   Ss   20:48    0:00 bash
root       4013   1.1   0.9 735984   46356 ?       Ssl  20:50    0:31 /usr/lib/snap
root       4550   0.0   0.0      0       0 ?       I    21:00    0:00 [kworker/0:2-
mazen      4599   0.1   1.1 2802184   57152 ?      Sl   21:08    0:01 gjs /usr/shar
root       4654   0.0   0.0      0       0 ?       I    21:13    0:00 [kworker/u2:1
root       4795   0.0   0.0      0       0 ?       I    21:19    0:00 [kworker/0:0-
root       4974   0.0   0.0      0       0 ?       I    21:28    0:00 [kworker/u2:0
mazen      4997   0.0   0.0  17060    1052 pts/0   S+   21:31    0:00 tail -f /var/
root       5006   0.0   0.0   2888     996 ?       Ss   21:31    0:00 /bin/sh /usr/
root       5010   0.0   0.0   2888    1832 ?       S    21:31    0:00 /bin/sh /usr/
root       5051  20.7   2.2 290988  111104 ?       Sl   21:31    0:22 /usr/bin/pyth
_apt       5067   0.7   0.1  33028    9224 ?       S    21:32    0:00 /usr/lib/apt/
mazen      5069   0.2   0.1  19668    5232 pts/1   Ss   21:33    0:00 bash
mazen      5076   0.0   0.0  21596    3676 pts/1   R+   21:33    0:00 ps -aux
mazen@mazen-VirtualBox:~$ sudo kill -9 4997
[sudo] password for mazen:
mazen@mazen-VirtualBox:~$ ps -aux
USER        PID %CPU %MEM    VSZ    RSS TTY       STAT START    TIME COMMAND
```