

```
Activities Terminal Jan 28 05:43 root@ubuntu: /home/edgarnurnagomedov

edgarnurnagomedov@ubuntu:~$ sudo su
[sudo] password for edgarnurnagomedov:
root@ubuntu: /home/edgarnurnagomedov# useradd -m test1
root@ubuntu: /home/edgarnurnagomedov# sudo adduser test2
Adding user 'test2' ...
Adding new group 'test2' (1002) ...
Adding new user 'test2' (1002) with group 'test2' ...
Creating home directory '/home/test2' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for test2
Enter the new value, or press ENTER for the default
Full Name []: ed
Room Number []: ed
Work Phone []: ed
Home Phone []: ed
Other []: ed
Is the information correct? [Y/n] y
root@ubuntu: /home/edgarnurnagomedov# userdel test1
root@ubuntu: /home/edgarnurnagomedov# useradd -m test3
root@ubuntu: /home/edgarnurnagomedov# /etc/passwd
bash: /etc/passwd: Permission denied
root@ubuntu: /home/edgarnurnagomedov# less /etc/passwd
root@ubuntu: /home/edgarnurnagomedov#
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Activities Terminal Jan 28 05:43 root@ubuntu: /home/edgarnurnagomedov

sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailng List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:nonexistent:/usr/sbin/nologin
syslog:x:104:110:/home/syslog:/usr/sbin/nologin
_apt:x:105:65534:nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,:/var/lib/tpm:/bin/false
uuidd:x:107:114:run/uuidd:/usr/sbin/nologin
tcpdump:x:108:115:nonexistent:/usr/sbin/nologin
avahi-autolpd:x:109:116:Avahi autolpd daemon,,:/var/lib/avahi-autolpd:/usr/sbin/nologin
usbmux:x:110:46:usbmux daemon,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:111:117:RealtimeKit,,:/proc:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,:/var/lib/misc:/usr/sbin/nologin
cups-pk-helper:x:113:120:user for cups-pk-helper service,,:/home/cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,:/run/speech-dispatcher:/bin/false
avahi:x:115:121:Avahi mDNS daemon,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,:/usr/sbin/nologin
saned:x:117:123:/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
hplip:x:119:7:HPLIP system user,,:/run/hplip:/bin/false
whoopsie:x:120:125:nonexistent:/bin/false
colord:x:121:126:colord colour management daemon,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:122:127:/var/lib/geoclue:/usr/sbin/nologin
pulse:x:123:128:Pulseaudio daemon,,:/var/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:124:65534:/run/gnome-initial-setup:/bin/false
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
sssd:x:126:131:SSSD system user,,:/var/lib/sss:/usr/sbin/nologin
edgarnurnagomedov:x:1000:1000:edgarnurnagomedov,,:/home/edgarnurnagomedov:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/usr/sbin/nologin
sshd:x:127:65534:/run/ssh:/usr/sbin/nologin
test2:x:1002:1002:ed,ed,ed,ed:/home/test2:/bin/bash
test3:x:1003:1003:/home/test3:/bin/sh
[END]
```

```
Activities Terminal Jan 28 06:01 root@ubuntu: /home/edgarnurnagomedov

root@ubuntu:/home/edgarnurnagomedov# /etc/passwd
bash: /etc/passwd: Permission denied
root@ubuntu:/home/edgarnurnagomedov# less /etc/passwd
root@ubuntu:/home/edgarnurnagomedov# less /etc/passwd
root@ubuntu:/home/edgarnurnagomedov# groupadd man
groupadd: group 'man' already exists
root@ubuntu:/home/edgarnurnagomedov# groupadd dev1
root@ubuntu:/home/edgarnurnagomedov# usermod -a -G dev1 test2
root@ubuntu:/home/edgarnurnagomedov# groupadd dev2
root@ubuntu:/home/edgarnurnagomedov# usermod -a -G dev2 test3
root@ubuntu:/home/edgarnurnagomedov# usermod -a -G dev1 test3
root@ubuntu:/home/edgarnurnagomedov# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail list Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/:/nonexistent:/usr/sbin/nologin
syslog:x:104:110:/home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:/nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uuidd:x:107:114:/:/run/uuidd:/usr/sbin/nologin
tcpdump:x:108:115:/:/nonexistent:/usr/sbin/nologin
avahi-autotpd:x:109:116:Avahi autotpd daemon,,,:/var/lib/avahi-autotpd:/usr/sbin/nologin
usbmux:x:110:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:111:117:RealtimeKit,,,:/proc:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/rlsc:/usr/sbin/nologin
cups-pk-helper:x:113:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
saned:x:117:123:/:/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chronet:/usr/sbin/nologin
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Activities Terminal Jan 28 06:03 root@ubuntu: /home/edgarnurnagomedov

utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:edgarnurnagomedov
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:101:
systemd-network:x:102:
systemd-resolve:x:103:
systemd-timesync:x:104:
crontab:x:105:
messagebus:x:106:
input:x:107:
kvm:x:108:
render:x:109:
syslog:x:110:
tss:x:111:
bluetooth:x:112:
ssl-cert:x:113:
uuidd:x:114:
tcpdump:x:115:
avahi-autoipd:x:116:
rtkit:x:117:
ssh:x:118:
netdev:x:119:
lpadmin:x:120:edgarnurnagomedov
avahi:x:121:
scanner:x:122:saned
saned:x:123:
nm-openvpn:x:124:
whoopsie:x:125:
colord:x:126:
geoclue:x:127:
pulse:x:128:
pulse-access:x:129:
gdm:x:130:
sssd:x:131:
lxd:x:132:edgarnurnagomedov
edgarnurnagomedov:x:1000:
smbshare:x:133:edgarnurnagomedov
systemd-coredump:x:999:
test2:x:1002:
test3:x:1003:
dev1:x:1004:test2,test3
dev2:x:1005:test3
root@ubuntu: /home/edgarnurnagomedov#
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```
Activities Terminal Jan 28 06:07 root@ubuntu: /home/edgarnurnagomedov

sssd:x:131:
lxd:x:132:edgarnurnagomedov
edgarnurnagomedov:x:1000:
smbshare:x:133:edgarnurnagomedov
systemd-coredump:x:999:
test2:x:1002:
test3:x:1003:
dev1:x:1004:test2,test3
dev2:x:1005:test3
root@ubuntu:/home/edgarnurnagomedov# userdel test2
root@ubuntu:/home/edgarnurnagomedov# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
llist:x:38:38:Listing List Manager:/var/llst:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/nonexistent:/usr/sbin/nologin
syslog:x:104:110:/home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,:/var/lib/tpm:/bin/false
uuidd:x:107:114:/run/uuidd:/usr/sbin/nologin
tcpdump:x:108:115:/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:110:46:usbmux daemon,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:111:117:RealtimeKit,,:/proc:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,:/var/lib/misc:/usr/sbin/nologin
cups-pk-helper:x:113:128:user for cups-pk-helper service,,:/home/cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,:/run/speech-dispatcher:/bin/false
avahi:x:115:121:Avahi MDNS daemon,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,:/usr/sbin/nologin
saned:x:117:123:/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
hplip:x:119:7:HPLIP system user,,:/run/hplip:/bin/false
```

```
Activities Terminal Jan 28 06:07 root@ubuntu: /home/edgarnurnagomedov

shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:edgarnurnagomedov
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:101:
systemd-network:x:102:
systemd-resolve:x:103:
systemd-timesync:x:104:
cronstab:x:105:
messagebus:x:106:
input:x:107:
kvm:x:108:
render:x:109:
syslog:x:110:
tss:x:111:
bluetooth:x:112:
ssl-cert:x:113:
uuidd:x:114:
tcpdump:x:115:
avahi-autoipd:x:116:
rtkit:x:117:
ssh:x:118:
netdev:x:119:
lpadmin:x:120:edgarnurnagomedov
avahi:x:121:
scanner:x:122:saned
saned:x:123:
nm-openvpn:x:124:
whoopie:x:125:
colord:x:126:
geoclue:x:127:
pulse:x:128:
pulse-access:x:129:
gdm:x:130:
sssd:x:131:
lxd:x:132:edgarnurnagomedov
edgarnurnagomedov:x:1000:
sambashare:x:133:edgarnurnagomedov
systemd-coredump:x:999:
test3:x:1003:
dev1:x:1004:test3
dev2:x:1005:test3
root@ubuntu: /home/edgarnurnagomedov#
```

```
Activities Terminal Jan 28 06:13 root@ubuntu: /home/edgarnurnagomedov

bluetooth:x:112:
ssl-cert:x:113:
uuidd:x:114:
tcpdump:x:115:
avahi-autoipd:x:116:
rtkit:x:117:
ssh:x:118:
netdev:x:119:
lpadmin:x:120:edgarnurnagomedov
avahi:x:121:
scanner:x:122:saned
saned:x:123:
nm-openvpn:x:124:
whoopsie:x:125:
colord:x:126:
geoclue:x:127:
pulse:x:128:
pulse-access:x:129:
gdm:x:130:
sssd:x:131:
lxd:x:132:edgarnurnagomedov
edgarnurnagomedov:x:1000:
smbshare:x:133:edgarnurnagomedov
systemd-coredump:x:999:
test3:x:1003:
dev1:x:1004:test3
dev2:x:1005:test3
root@ubuntu:/home/edgarnurnagomedov# grasswd --delete div1

Command 'grasswd' not found, did you mean:

  command 'gpasswd' from deb passwd (1:4.8.1-1ubuntu5.20.04.1)

Try: apt install <deb name>

root@ubuntu:/home/edgarnurnagomedov# grasswd --delete test3 div1

Command 'grasswd' not found, did you mean:

  command 'gpasswd' from deb passwd (1:4.8.1-1ubuntu5.20.04.1)

Try: apt install <deb name>

root@ubuntu:/home/edgarnurnagomedov# gpasswd --delete test3 div1
gpasswd: group 'div1' does not exist in /etc/group
root@ubuntu:/home/edgarnurnagomedov# gpasswd --delete test3 dev1
Removing user test3 from group dev1
root@ubuntu:/home/edgarnurnagomedov#
```



```
Activities Terminal Jan 28 06:17 root@ubuntu: /home/edgarnurnagomedov

ssl-cert:x:113:
uuidd:x:114:
tcpdump:x:115:
avahi-autoipd:x:116:
rtkit:x:117:
ssh:x:118:
netdev:x:119:
lpadmin:x:120:edgarnurnagomedov
avahi:x:121:
scanner:x:122:saned
saned:x:123:
nm-openvpn:x:124:
whoopsie:x:125:
colord:x:126:
geoclue:x:127:
pulse:x:128:
pulse-access:x:129:
gdm:x:130:
sssd:x:131:
lxd:x:132:edgarnurnagomedov
edgarnurnagomedov:x:1000:
smbshare:x:133:edgarnurnagomedov
systemd-coredump:x:999:
test3:x:1003:
dev1:x:1004:test3
dev2:x:1005:test3
root@ubuntu:/home/edgarnurnagomedov# grasswd --delete div1

Command 'grasswd' not found, did you mean:

  command 'gpasswd' from deb passwd (1:4.8.1-1ubuntu5.20.04.1)

Try: apt install <deb name>

root@ubuntu:/home/edgarnurnagomedov# grasswd --delete test3 div1

Command 'grasswd' not found, did you mean:

  command 'gpasswd' from deb passwd (1:4.8.1-1ubuntu5.20.04.1)

Try: apt install <deb name>

root@ubuntu:/home/edgarnurnagomedov# gpasswd --delete test3 div1
gpasswd: group 'div1' does not exist in /etc/group
root@ubuntu:/home/edgarnurnagomedov# gpasswd --delete test3 dev1
Removing user test3 from group dev1
root@ubuntu:/home/edgarnurnagomedov# usermod test3 -G sudo
root@ubuntu:/home/edgarnurnagomedov#
```



```
Activities Terminal Jan 29 03:57 edgarnurnagomedov@ubuntu: -  
kvm:x:108:  
render:x:109:  
syslog:x:110:  
tss:x:111:  
bluetooth:x:112:  
ssl-cert:x:113:  
uuidd:x:114:  
tcpdump:x:115:  
avahi-autoipd:x:116:  
rtkit:x:117:  
ssh:x:118:  
netdev:x:119:  
lpadmin:x:120:edgarnurnagomedov  
avahi:x:121:  
scanner:x:122:saned  
saned:x:123:  
nm-openvpn:x:124:  
whoopsie:x:125:  
colord:x:126:  
geoclue:x:127:  
pulse:x:128:  
pulse-access:x:129:  
gdm:x:130:  
sssd:x:131:  
lxd:x:132:edgarnurnagomedov  
edgarnurnagomedov:x:1000:  
smbshare:x:133:edgarnurnagomedov  
systemd-coredump:x:999:  
test3:x:1003:  
dev1:x:1004:  
dev2:x:1005:test3  
root@ubuntu:/home/edgarnurnagomedov# sudo -l -U test3  
Matching Defaults entries for test3 on ubuntu:  
env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin  
  
User test3 may run the following commands on ubuntu:  
(ALL : ALL) ALL  
root@ubuntu:/home/edgarnurnagomedov# getent group sudo  
sudo:x:27:edgarnurnagomedov,test3  
root@ubuntu:/home/edgarnurnagomedov# sudo deluser test3 sudo  
Removing user 'test3' from group 'sudo' ...  
Done.  
root@ubuntu:/home/edgarnurnagomedov# getent group sudo  
sudo:x:27:edgarnurnagomedov  
root@ubuntu:/home/edgarnurnagomedov# sudo edgarnurnagomedov  
sudo: edgarnurnagomedov: command not found  
root@ubuntu:/home/edgarnurnagomedov# su edgarnurnagomedov  
edgarnurnagomedov@ubuntu:~$
```