

```
melikamohammadifakhar-99522086@ubuntu: ~
melikamohammadifakhar-99522086@ubuntu:~$ sudo tar -zcvf backup_home_melika.tar.
gz /home/melikamohammadifakhar-99522086
[sudo] password for melikamohammadifakhar-99522086:
tar: Removing leading `/' from member names
/home/melikamohammadifakhar-99522086/
/home/melikamohammadifakhar-99522086/.Xauthority
/home/melikamohammadifakhar-99522086/.profile
/home/melikamohammadifakhar-99522086/.xsession-errors
/home/melikamohammadifakhar-99522086/Downloads/
/home/melikamohammadifakhar-99522086/Pictures/
/home/melikamohammadifakhar-99522086/Pictures/Screenshot from 2023-02-20 07-51-
57.png
/home/melikamohammadifakhar-99522086/Documents/
/home/melikamohammadifakhar-99522086/Desktop/
/home/melikamohammadifakhar-99522086/Desktop/test_file_2
/home/melikamohammadifakhar-99522086/Desktop/test_file_3
/home/melikamohammadifakhar-99522086/Desktop/test_file_1
/home/melikamohammadifakhar-99522086/Desktop/HW1/
/home/melikamohammadifakhar-99522086/Desktop/HW2/
/home/melikamohammadifakhar-99522086/Desktop/grade.txt
/home/melikamohammadifakhar-99522086/grade.txt
/home/melikamohammadifakhar-99522086/.xsession-errors.old
/home/melikamohammadifakhar-99522086/.gconf/
/home/melikamohammadifakhar-99522086/badlogins.txt
/home/melikamohammadifakhar-99522086/.dmrc
/home/melikamohammadifakhar-99522086/.bashrc
/home/melikamohammadifakhar-99522086/.config/
/home/melikamohammadifakhar-99522086/.config/upstart/
/home/melikamohammadifakhar-99522086/.config/user-dirs.locale
/home/melikamohammadifakhar-99522086/.config/pulse/
/home/melikamohammadifakhar-99522086/.config/pulse/5ec456ac3f274c3b91453cddb35d
62d6-default-source
```

```
melikamohammadifakhar-99522086@ubuntu: ~
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/expo.pb
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/wall.pb
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/place.pb
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/scale.pb
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/vpswitch.pb
/home/melikamohammadifakhar-99522086/.cache/complzconfig-1/core.pb
/home/melikamohammadifakhar-99522086/.cache/evolution/
/home/melikamohammadifakhar-99522086/.cache/evolution/memos/
/home/melikamohammadifakhar-99522086/.cache/evolution/memos/trash/
/home/melikamohammadifakhar-99522086/.cache/evolution/tasks/
/home/melikamohammadifakhar-99522086/.cache/evolution/tasks/trash/
/home/melikamohammadifakhar-99522086/.cache/evolution/mail/
/home/melikamohammadifakhar-99522086/.cache/evolution/mail/trash/
/home/melikamohammadifakhar-99522086/.cache/evolution/addressbook/
/home/melikamohammadifakhar-99522086/.cache/evolution/addressbook/trash/
/home/melikamohammadifakhar-99522086/.cache/evolution/sources/
/home/melikamohammadifakhar-99522086/.cache/evolution/sources/trash/
/home/melikamohammadifakhar-99522086/.cache/evolution/calendar/
/home/melikamohammadifakhar-99522086/.cache/evolution/calendar/trash/
/home/melikamohammadifakhar-99522086/.cache/event-sound-cache.tdb.5ec456ac3f274
c3b91453cddb35d62d6.i686-pc-linux-gnu
/home/melikamohammadifakhar-99522086/.cache/ibus/
/home/melikamohammadifakhar-99522086/.cache/ibus/bus/
/home/melikamohammadifakhar-99522086/.cache/ibus/bus/registry
/home/melikamohammadifakhar-99522086/.sudo_as_admin_successful
/home/melikamohammadifakhar-99522086/backup_home_melika.tar.gz
tar: /home/melikamohammadifakhar-99522086/backup_home_melika.tar.gz: file chang
ed as we read it
/home/melikamohammadifakhar-99522086/Templates/
/home/melikamohammadifakhar-99522086/examples.desktop
/home/melikamohammadifakhar-99522086/.ICEauthority
melikamohammadifakhar-99522086@ubuntu:~$
```

(2)

```
melikamohammadifakhar-99522086@ubuntu: ~
melikamohammadifakhar-99522086@ubuntu:~$ cut -d: -f1,6 /etc/passwd > people
melikamohammadifakhar-99522086@ubuntu:~$ cat people
root:/root
daemon:/usr/sbin
bin:/bin
sys:/dev
sync:/bin
games:/usr/games
man:/var/cache/man
lp:/var/spool/lpd
mail:/var/mail
news:/var/spool/news
uucp:/var/spool/uucp
proxy:/bin
www-data:/var/www
backup:/var/backups
list:/var/list
irc:/var/run/ircd
gnats:/var/lib/gnats
nobody:/nonexistent
systemd-timesync:/run/systemd
systemd-network:/run/systemd/netif
systemd-resolve:/run/systemd/resolve
systemd-bus-proxy:/run/systemd
syslog:/home/syslog
_apt:/nonexistent
messagebus:/var/run/dbus
uidd:/run/uidd
lightdm:/var/lib/lightdm
whoopsie:/nonexistent
avahi-autoipd:/var/lib/avahi-autoipd
avahi:/var/run/avahi-daemon

melikamohammadifakhar-99522086@ubuntu:~$ gzip people
gzip: people.gz already exists; do you wish to overwrite (y or n)? y
melikamohammadifakhar-99522086@ubuntu:~$ dir
backup_home_melika.tar.gz  Documents          grade.txt  Pictures  Templates
badlogins.txt              Downloads          Music      Public    text.txt
Desktop                   examples.desktop  people.gz  q3.txt    Videos
melikamohammadifakhar-99522086@ubuntu:~$
```

(3)

```
melikamohammadifakhar-99522086@ubuntu: ~
melikamohammadifakhar-99522086@ubuntu:~$ crontab -e
no crontab for melikamohammadifakhar-99522086 - using an empty one

Select an editor. To change later, run 'select-editor'.
 1. /bin/ed
 2. /bin/nano <---- easiest
 3. /usr/bin/vim.tiny

Choose 1-3 [2]: 2
Use "fg" to return to nano.

[1]+ Stopped crontab -e
melikamohammadifakhar-99522086@ubuntu:~$
```

```
GNU nano 2.5.3 File: /tmp/crontab.P0vdL7/crontab Modified
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow command
0 22 * * 5 rm -rf /tmp/*
```

(4

```
melikamohammadifakhar-99522086@ubuntu: ~  
melikamohammadifakhar-99522086@ubuntu:~$ echo "date > test.txt" | at now +  
5 minutes
```