

Q.No:1

```
sudo apt-get update

Hit:1 http://security.ubuntu.com/ubuntu bionic-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
Hit:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu bionic-backports InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
```

Q.No:2

```
sudo apt-get install simplescreenrecorder

Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fonts-font-awesome fonts-roboto fonts-roboto-hinted gstreamer1.0-plugins-bad
  libgl1-mesa-glx libglapi-mesa libglvnd0 libglvnd0-data libglu1-mesa libglvnd0
  libsharpyuv0 libsoxr0 libswresample3 libswscale5 libva-drm2 libva1
  libxext6 libxfixes0 libxxf86vm1 mesa-vulkan-drivers mesa-vulkan-drivers:amd64
  x11-xserver-utils xdg-utils
Suggested packages:
  gstreamer1.0-fluendo-mp3 gstreamer1.0-libav
```

Q.No:3

```
sudo apt-get remove simplescreenrecorder
```

```
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be REMOVED:
  simplescreenrecorder
0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.
After this operation, 1,341 kB disk space will be freed.
```

Q.No:4

```
sudo adduser elias
```

```
su - elias
```

```
exit
```

```
Adding user `elias' ...
Adding new group `elias' (1001) ...
Adding new user `elias' (1001) with group `elias' ...
Creating home directory `/home/elias' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
su: warning: cannot change directory to /home/elias: No such file or directory
$
```

Q.No:5

```
sudo usermod -L elias
```

```
su - elias
```

```
This account is currently not available.
```

Q.No:6

```
sudo groupadd cse
```

```
sudo usermod -a -G cse elias
```

```
root@kali:~# sudo addgroup cse
Adding group 'cse' (GID 1002) ...
Done.
```

Q.No:7

```
sudo chage -l elias
```

```
$ sudo chage -l elias
Last password change           : Apr 17, 2023
Password expires               : never
Password inactive              : never
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
```

Q.No:8

```
sudo chage -W 5 elias
```

```
$ sudo chage -W 5 elias
$ sudo chage -l elias
Last password change           : Apr 17, 2023
Password expires               : never
Password inactive              : never
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 5
```

Q.No:9

```
sudo userdel -r elias
```

```
sudo groupdel cse
```

```
$ id elias
id: 'elias': no such user
$ getent group cse
```

Q.No:10

```
lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
sda	8:0	0	931.5G	0	disk	
└sda1	8:1	0	512M	0	part	/boot/efi
└sda2	8:2	0	20G	0	part	/
└sda3	8:3	0	50G	0	part	/home
└sda4	8:4	0	861.1G	0	part	/mnt/data

Q.No:11

```
# /etc/fstab: static file system information.
#
# <file system> <mount point> <type> <options> <dump> <pass>
proc /proc proc nodev,noexec,nosuid 0 0
/dev/sda1 / ext4 errors=remount-ro 0 1
# swap was on /dev/sda5 during installation
UUID=62fda982-5d5b-49e8-8081-5b5f9fda5a15 none swap sw
```

Q.No:12

```
sudo /etc/init.d/networking stop
sudo /etc/init.d/networking restart
```

```
$ sudo /etc/init.d/networking stop
[ ok ] Stopping networking (via systemctl): networking.service.
$ sudo /etc/init.d/networking restart
[ ok ] Restarting networking (via systemctl): networking.service.
```

Q.No:13

```
$ ifconfig lo
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 51556 bytes 2552452 (2.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 51556 bytes 2552452 (2.4 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Q.No:14

```
127.0.0.1    localhost
::1         localhost ip6-localhost ip6-loopback
192.168.1.100 myhost.example.com myhost
```

Q.No:15

```
nameserver 8.8.8.8
nameserver 8.8.4.4
search example.com
```

Q.No:16

```

root@kali:~# sudo apt-get install mariadb-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  default-mysql-server libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libc6-dev-x32 libc6-i386 libc6-x32 libmariadb3 liburing2 locales mariadb-client mariadb-client-core mariadb-common mariadb-plugin-provider-bzip2
  mariadb-plugin-provider-lz4 mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server-core pv
Suggested packages:
  libc-doc libnss-nis libnss-nisplus manpages-dev mailx mariadb-test netcat-openbsd doc-base
Recommended packages:
  manpages-dev libc-devtools
The following packages will be REMOVED:
  mariadb-client-10.6 mariadb-client-core-10.6 mariadb-server-10.6 mariadb-server-core-10.6
The following NEW packages will be installed:
  mariadb-client mariadb-client-core mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4 mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server mariadb-server-core pv
The following packages will be upgraded:
  default-mysql-server libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libc6-dev-x32 libc6-i386 libc6-x32 libmariadb3 liburing2 locales mariadb-common
14 upgraded, 10 newly installed, 4 to remove and 1888 not upgraded.
Need to get 32.7 MB of archives.
After this operation, 31.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] n
Abort.

```

Q.No:17

```

* Stopping MySQL database server mysqld
  ...done.

* Starting MySQL database server mysqld
  ...done.

```

Q.No:18

```

# The MariaDB configuration file
#
# The MariaDB/MySQL tools read configuration files in the following order:
# 0. "/etc/mysql/my.cnf" symlinks to this file, reason why all the rest is read.
# 1. "/etc/mysql/mariadb.cnf" (this file) to set global defaults,
# 2. "/etc/mysql/conf.d/*.cnf" to set global options.
# 3. "/etc/mysql/mariadb.conf.d/*.cnf" to set MariaDB-only options.
# 4. "~/.my.cnf" to set user-specific options.
#
# If the same option is defined multiple times, the last one will apply.
#
# One can use all long options that the program supports.
# Run program with --help to get a list of available options and with
# --print-defaults to see which it would actually understand and use.
#
# If you are new to MariaDB, check out https://mariadb.com/kb/en/basic-mariadb-articles/
#
# This group is read both by the client and the server
# use it for options that affect everything
#
[client-server]
# Port or socket location where to connect
# port = 3306
socket = /run/mysqld/mysqld.sock

# Import all .cnf files from configuration directory
!includedir /etc/mysql/conf.d/
!includedir /etc/mysql/mariadb.conf.d/

```

Q.No:19

```

root@kali:~# mysql -u root -p
Enter password:
ERROR 2002 (HY000): Can't connect to local server through socket '/run/mysqld/mysqld.sock' (2)

```

Q.No:20

```

CREATE DATABASE myDB;

```