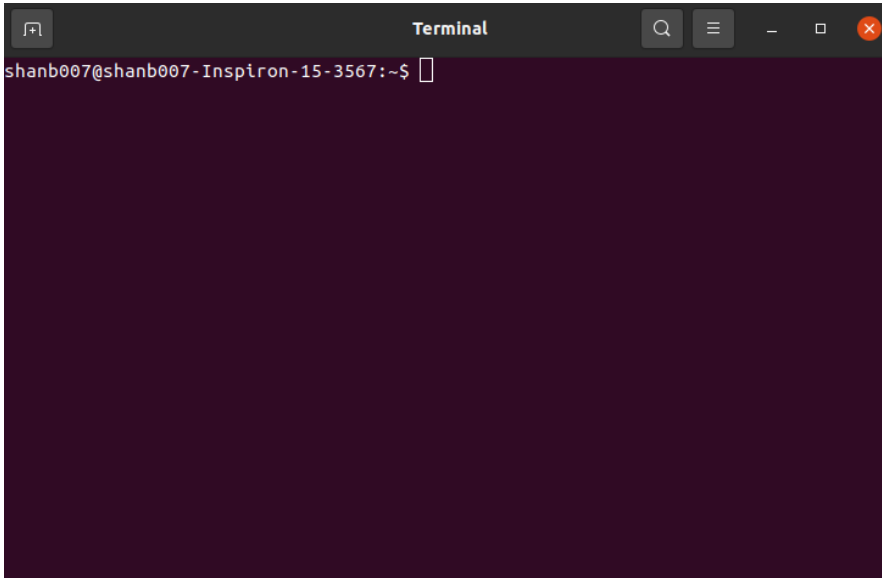


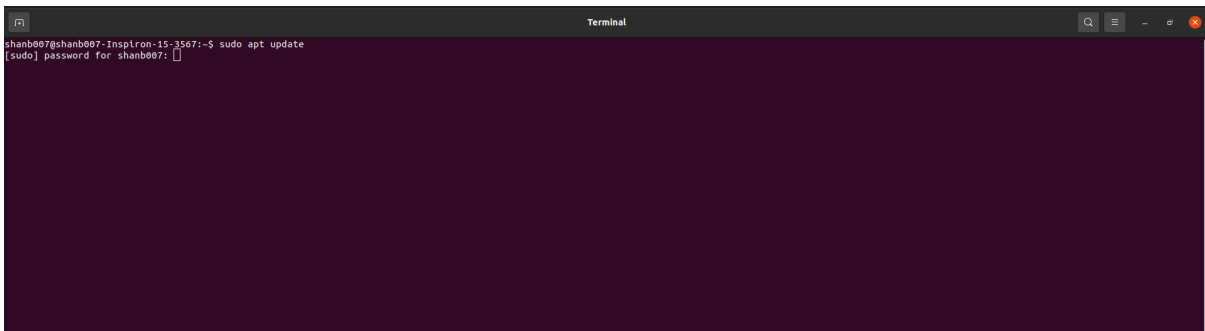
## MYSQL INSTALLATION GUIDE FOR LINUX

**Step 1:** Open the Terminal. (shortcut:- ctrl + alt + T)



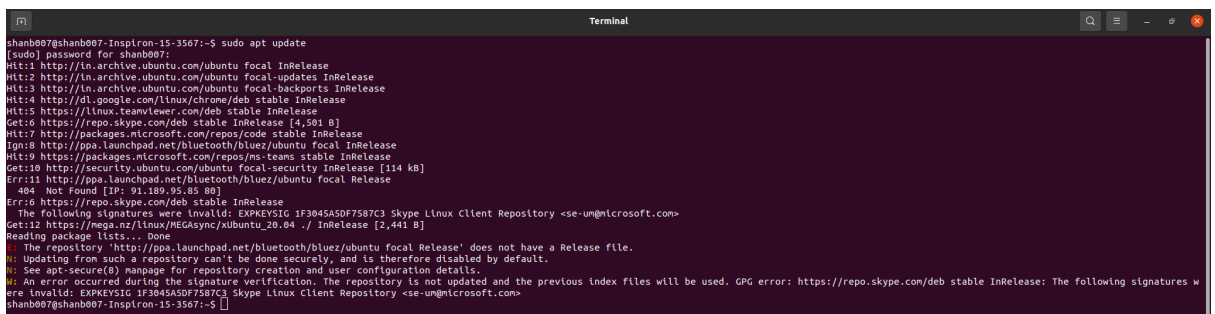
```
shantb007@shantb007-Inspiron-15-3567:~$
```

**Step 2:** Update the package index on your server -> `$ sudo apt update`



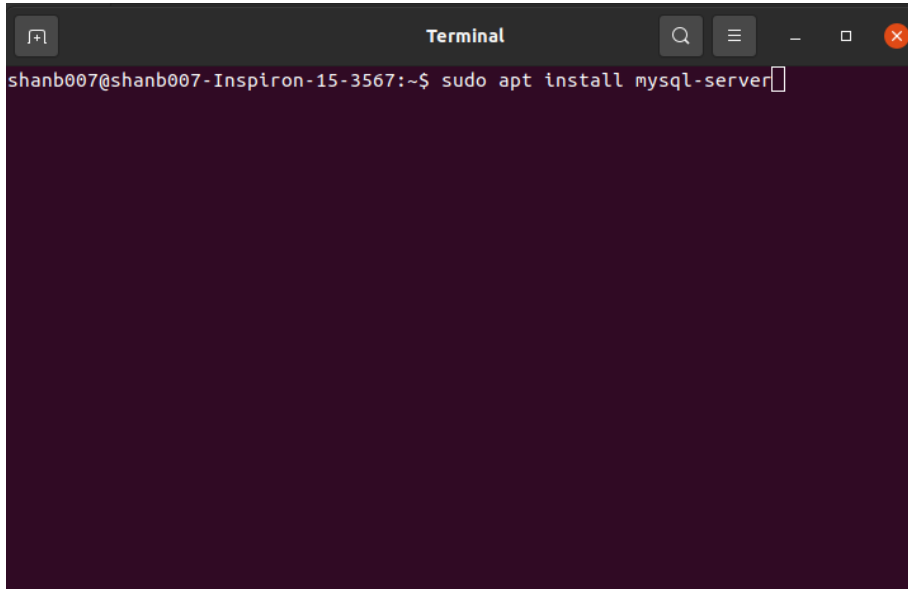
```
shantb007@shantb007-Inspiron-15-3567:~$ sudo apt update
[sudo] password for shantb007:
```

- After entering this command on the terminal, it will ask you for your password. You have to fill in your system password and enter.

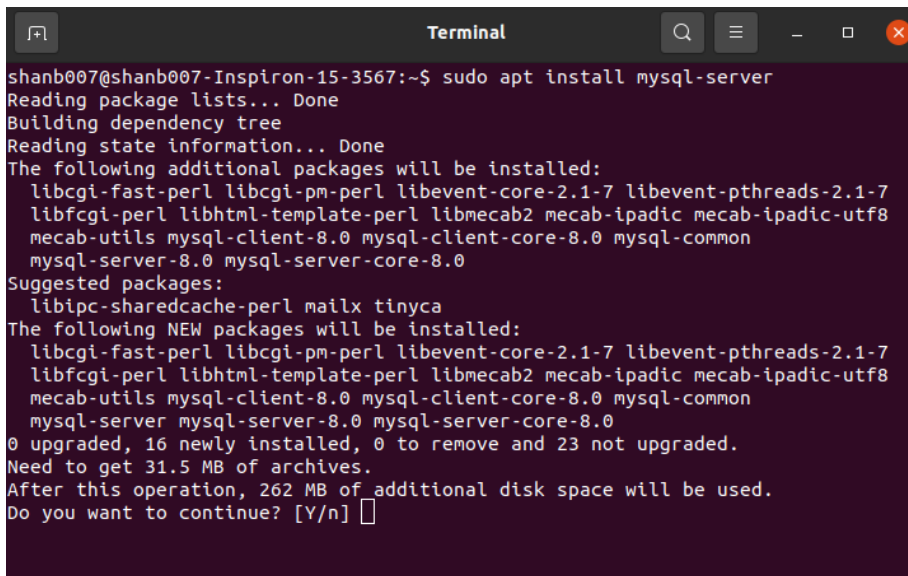


```
shantb007@shantb007-Inspiron-15-3567:~$ sudo apt update
[sudo] password for shantb007:
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:5 http://linux.teamviewer.com/deb stable InRelease
Get:6 https://repo.skype.com/deb stable InRelease [4,501 B]
Hit:7 http://packages.microsoft.com/repos/code stable InRelease
Ign:8 http://ppa.launchpad.net/bluetooth/bluez/ubuntu focal InRelease
Hit:9 https://packages.microsoft.com/repos/ms-teams stable InRelease
Get:10 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Err:11 http://ppa.launchpad.net/bluetooth/bluez/ubuntu focal Release
  404 Not Found [IP: 91.189.95.85 80]
Err:12 https://repo.skype.com/deb stable InRelease
  The following signatures were invalid: EXPKYSIG 1F3845A50F7587C3 Skype Linux Client Repository <se-un@microsoft.com>
Get:13 https://mega.nz/linux/MEGAsync/xUbuntu_20.04 ./ InRelease [2,441 B]
Reading package lists... Done
N: The repository 'http://ppa.launchpad.net/bluetooth/bluez/ubuntu focal Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
W: An error occurred during the signature verification. The repository is not updated and the previous index files will be used. GPG error: https://repo.skype.com/deb stable InRelease: The following signatures were invalid: EXPKYSIG 1F3845A50F7587C3 Skype Linux Client Repository <se-un@microsoft.com>
shantb007@shantb007-Inspiron-15-3567:~$
```

**Step 3:** Install the default package -> `$ sudo apt install mysql-server`



```
Terminal
shانب007@shانب007-Inspiron-15-3567:~$ sudo apt install mysql-server
```



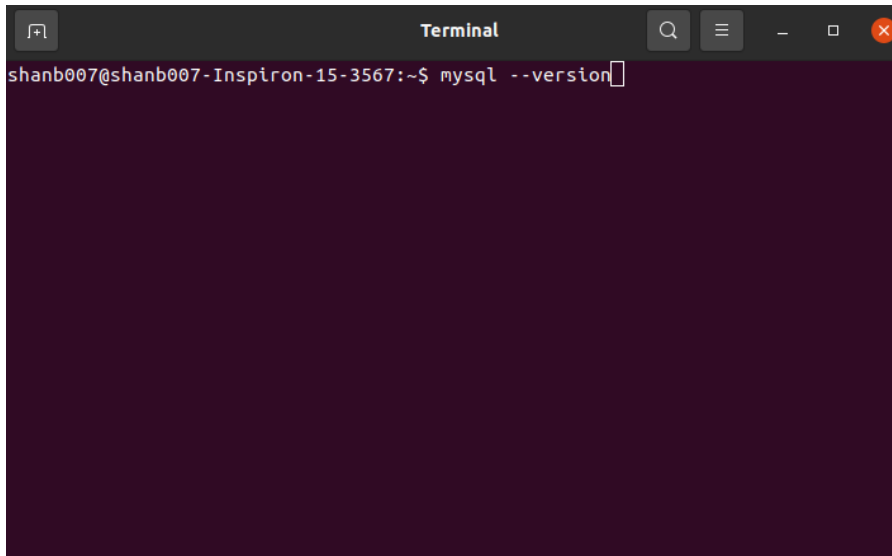
```
Terminal
shانب007@shانب007-Inspiron-15-3567:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-template-perl libmecab2 mecab-ipadic mecab-ipadic-utf8
  mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libipc-sharedcache-perl mailx tinycal
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-template-perl libmecab2 mecab-ipadic mecab-ipadic-utf8
  mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 16 newly installed, 0 to remove and 23 not upgraded.
Need to get 31.5 MB of archives.
After this operation, 262 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

- Press 'Y' and press Enter.

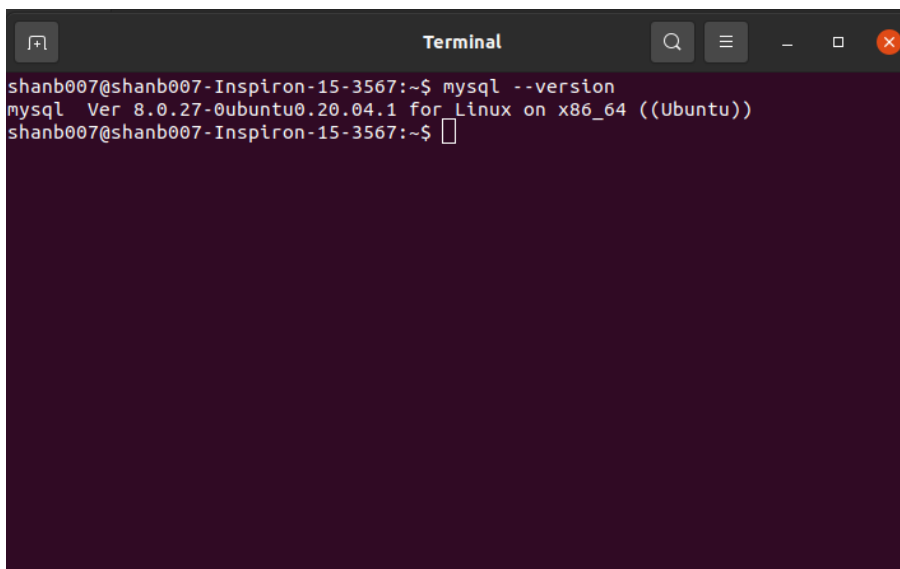
```
Terminal
shanh007@shanh007-Inspiron-15-3567:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-template-perl libmecab2 mecab-ipadic mecab-ipadic-utf8
  mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libipc-sharedcache-perl mailx tinycu
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libevent-core-2.1-7 libevent-pthreads-2.1-7
  libfcgi-perl libhtml-template-perl libmecab2 mecab-ipadic mecab-ipadic-utf8
  mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 16 newly installed, 0 to remove and 23 not upgraded.
Need to get 31.5 MB of archives.
After this operation, 262 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
```

```
Terminal
emitting matrix : 100% [#####]
done!
update-alternatives: using /var/lib/mecab/dic/ipadic to provide /var/lib/mecab/
dic/debian (mecab-dictionary) in auto mode
Setting up libcgi-fast-perl (1:2.15-1) ...
Setting up mysql-server-core-8.0 (8.0.27-0ubuntu0.20.04.1) ...
Setting up mecab-ipadic-utf8 (2.1.0-20070801main-2.0) ...
Compiling IPA dictionary for Mecab. This takes long time...
reading /usr/share/mecab/dic/ipadic/junk.def ... 48
emitting double-array: done [#####]
/usr/share/mecab/dic/ipadic/model.def is not found. skipped.
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 129
reading /usr/share/mecab/dic/ipadic/Auxtl.csv ... 199
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3056
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27216
reading /usr/share/mecab/dic/ipadic/Postp.col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Noun.nal.csv ... 42
reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
emitting double-array: done [#####]
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% [#####]
done!
update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/m
mecab/dic/debian (mecab-dictionary) in auto mode
Setting up mysql-server-8.0 (8.0.27-0ubuntu0.20.04.1) ...
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (n
y.cnf) in auto mode
mysqld will log errors to /var/log/mysql/error.log
mysqld is running as pid 24892
Setting up mysql-server (8.0.27-0ubuntu0.20.04.1) ...
Processing triggers for systemd (245.4-4ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
shanh007@shanh007-Inspiron-15-3567:~$
```

**Step 4:** Let's check for the mysql version that got installed on the machine -> `$ mysql --version`




```
Terminal
shanb007@shanb007-Inspiron-15-3567:~$ mysql --version
```



```
Terminal
shanb007@shanb007-Inspiron-15-3567:~$ mysql --version
mysql Ver 8.0.27-0ubuntu0.20.04.1 for Linux on x86_64 ((Ubuntu))
shanb007@shanb007-Inspiron-15-3567:~$
```

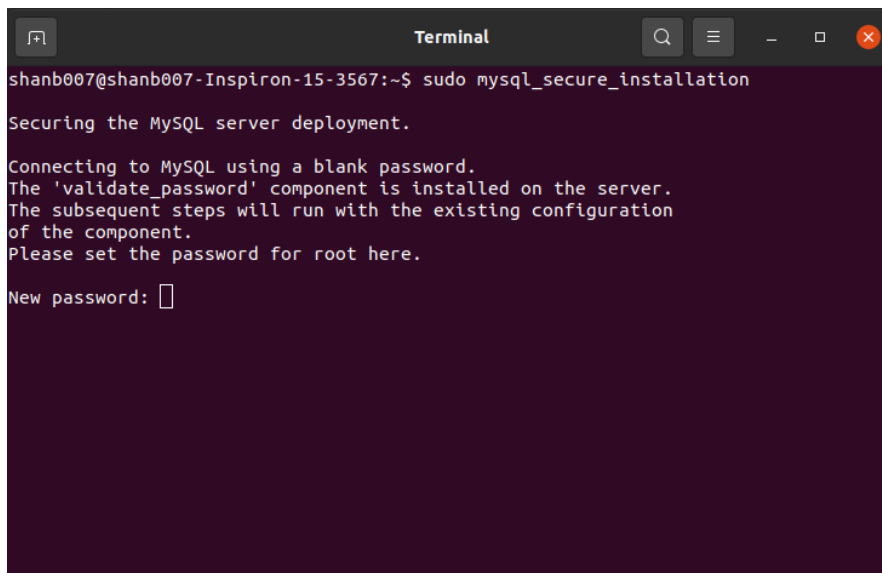
### Step 5: Configuring MySQL

- For fresh installations, you'll want to run the included security script  
-> \$ sudo mysql\_secure\_installation



```
shant007@shant007-Inspiron-15-3567:~$ sudo mysql_secure_installation
```

- Setup Password

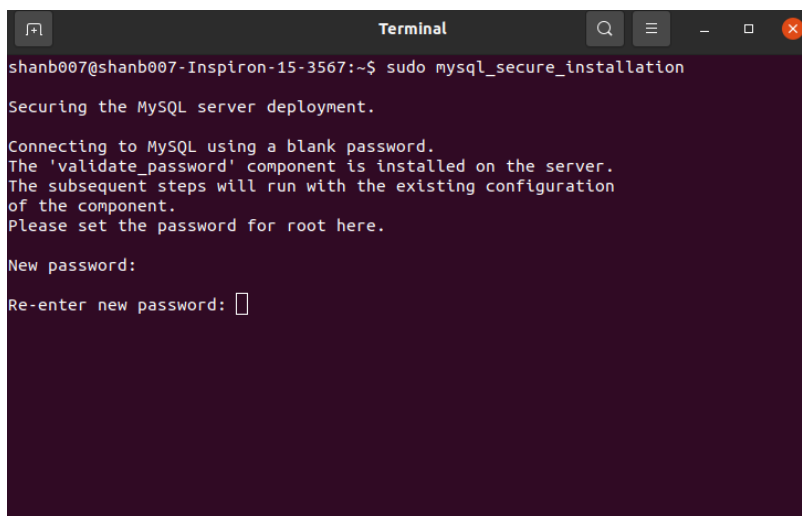


```
shant007@shant007-Inspiron-15-3567:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.
Please set the password for root here.

New password: 
```



```
shant007@shant007-Inspiron-15-3567:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.
Please set the password for root here.

New password:
Re-enter new password: 
```

```
Terminal
shanh007@shanh007-Inspiron-15-3567:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.
Please set the password for root here.

New password:

Re-enter new password:

Estimated strength of the password: 50
Do you wish to continue with the password provided?(Press y|Y for Yes, any other
key for No) : 
```

- Press 'Y' and then ENTER to accept the defaults for all the subsequent questions.

```
Terminal

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.
Please set the password for root here.

New password:

Re-enter new password:

Estimated strength of the password: 100
Do you wish to continue with the password provided?(Press y|Y for Yes, any other
key for No) : Y
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : 
```

```
Terminal

a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : Y
Success.

Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : Y
Success.

By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No)
: Y
```

```
Terminal
Success.

By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No)
: Y
- Dropping test database...
Success.

- Removing privileges on test database...
Success.

Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : Y
Success.

All done!
shanb007@shanb007-Inspiron-15-3567:~$
```

### Step 6: Run MySQL

- In the terminal run -> `$ mysql -u root -p`

```
Terminal
shanb007@shanb007-Inspiron-15-3567:~$ mysql -u root -p
Enter password: 
```

- Enter the correct Password then Press 'Enter'.

```
Terminal
shanh007@shanh007-Inspiron-15-3567:~$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
Server version: 8.0.27-0ubuntu0.20.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> 
```