How to Install MySQL on Ubuntu

- MySQL is a widely used relational database management system (RDBMS).
- MySQL is free and open-source.
- MySQL is ideal for both small and large applications.

Update/Upgrade Package Repository

1. Open the terminal and run the following command:

Sudo apt-get update

2.Install mysql

```
root@UBUNTU:~# sudo apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libaio1 libevent-core-2.1-6 libhtml-template-perl mysql-clie
```

3. Check mysgl server status

4.Login into MySql Server

```
root@UBUNTU:~# sudo mysql -u root
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.42-0ubuntu0.18.04.1 (Ubuntu)

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

mysql>
```

Create database:

Create TABLE:

Show table:

```
mysql> show tables;
| Tables_in_ubuntu |
| Personal_detail
| Staff detail
2 rows in set (0.00 sec)
mysql> describe personal_detail;
ERROR 1146 (42502): Table 'ubuntu.personal_detail' doesn't exist mysql> describe Personal_detail;
                          | Null | Key | Default | Extra |
| Field
            | Type
NULL
                                         NULL
                                         NULL
                                        NULL
4 rows in set (0.01 sec)
```

Alter Table : Add column:

```
mysql> Alter table Personal_detail Add Address varchar(50);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe Personal_detail;
| Field
                                       | Null | Key | Default | Extra |
                   | Type
| Mobile_num | int(11)
                                                         NULL
                                        YES
                     int(11)
                                         YES
                                                           NULL
I age
                  | varchar(20)
| varchar(20)
| varchar(50)
  gender
                                        YES
                                                           NULL
| fav_actor
| Address
                                         YES
                                                           NULL
                                        YES
                                                         NULL
5 rows in set (0.00 sec)
```

Add column after one column:

```
mysql> Alter table Personal_detail Add Adhar_num varchar(50) after gender;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe Personal_detail;
| Field
                                               | Null | Key | Default | Extra |
                       | Type
| Mobile_num | int(11)
| age | int(11)
| gender | varchar(20)
| Adhar_num | varchar(50)
| fav_actor | varchar(20)
| Address | varchar(50)
                                                  YES
                                                                         NULL
                                                                         NULL
                                                  YES
                                                  YES
                                                                         NULL
                                                  YES
                                                                         NULL
                                                  VFS
                                                                         NIII
                                                 YES
                                                                         NULL
6 rows in set (0.00 sec)
```

Delete column:

```
mysql> Alter table personal_detail drop column fav_actor;
ERROR 1146 (42502): Table 'ubuntu.personal_detail' doesn't exist
mysql> Alter table Personal_detail drop column fav_actor;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe Personal detail;
                             | Type
                                                            | Null | Key | Default | Extra |
| Mobile_num | int(11)
| age | int(11)
| gender | varchar(20)
| Adhar_num | varchar(50)
| Address | varchar(50)
                                                                 YES
                                                                                             NULL
                                                                YES
                                                                                             NULL
                                                                YES
                                                                                             NULL
                                                                YES
                                                                                             NULL
                                                                VES
                                                                                             NULL
 5 rows in set (0.00 sec)
```

Rename