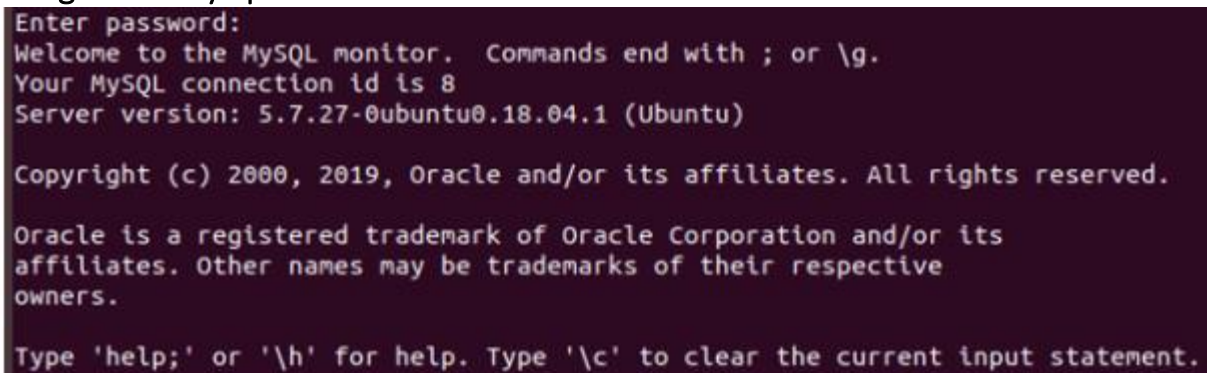


1. Install MySQL on Ubuntu

Ans:

```
sudo apt-get update  
sudo apt-get install mysql-server  
mysql_secure_installation
```

2.Login into mysql

A screenshot of a terminal window showing the MySQL command-line interface. The text is displayed in a light green font on a dark background. The prompt 'Enter password:' is visible at the top. Below it, several status messages are shown: 'Welcome to the MySQL monitor. Commands end with ; or \g.', 'Your MySQL connection id is 8', and 'Server version: 5.7.27-0ubuntu0.18.04.1 (Ubuntu)'. A copyright notice follows: 'Copyright (c) 2000, 2019, Oracle and/or its affiliates. All rights reserved.' This is followed by a trademark disclaimer: 'Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.' The final line shows the help text: 'Type \'help;\' or \'\\h\' for help. Type \'\\c\' to clear the current input statement.'

3.Show and create databases:

```
mysql> show databases;
+-----+
| Database |
+-----+
| db       |
| dbconn   |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
6 rows in set (0.00 sec)

mysql> create database abdullah;
Query OK, 1 row affected (0.16 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| abdullah |
| db       |
| dbconn   |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
7 rows in set (0.00 sec)
```

4.Create table:

```
mysql> create table student(id varchar(20),name varchar (20));
Query OK, 0 rows affected (1.58 sec)

mysql> show tables
-> ;
+-----+
| Tables_in_abdullah |
+-----+
| student            |
+-----+
1 row in set (0.10 sec)
```

5. Insert Data into table:

```
mysql> insert into student values("IT-17015","Abdullah");
Query OK, 1 row affected (0.27 sec)

mysql> insert into student values("IT-17057","Zaber");
Query OK, 1 row affected (0.14 sec)

mysql> select *from student;
+-----+-----+
| id      | name    |
+-----+-----+
| IT-17015 | Abdullah |
| IT-17057 | Zaber    |
+-----+-----+
```

6. Describe table:

```
mysql> describe student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id     | varchar(20)   | YES  |     | NULL    |       |
| name   | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

7. Alter table: Adding an extra column city.

```
mysql> alter table student add city varchar(20);
Query OK, 0 rows affected (0.69 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select *from student;
+-----+-----+-----+
| id      | name    | city |
+-----+-----+-----+
| IT-17015 | Abdullah | NULL |
| IT-17057 | Zaber    | NULL |
+-----+-----+-----+
```

8.Drop data from table:

```
mysql> delete from student where id ="IT-17015";
Query OK, 1 row affected (0.14 sec)

mysql> select *from student;
+-----+-----+-----+
| id      | name  | city  |
+-----+-----+-----+
| IT-17057 | Zaber | NULL  |
+-----+-----+-----+
```

9.Update data of table:

```
mysql> select *from student;
+-----+-----+-----+
| id      | name  | city  |
+-----+-----+-----+
| IT-17057 | Zaber | NULL  |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> update student set city ="Dhaka" where id="IT-17057";
Query OK, 1 row affected (0.11 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select *from student;
+-----+-----+-----+
| id      | name  | city  |
+-----+-----+-----+
| IT-17057 | Zaber | Dhaka |
+-----+-----+-----+
```

10. Where and delete operation:

```
mysql> delete from student where id ="IT-17015";  
Query OK, 1 row affected (0.14 sec)
```

```
mysql> select *from student;  
+-----+-----+-----+  
| id      | name  | city  |  
+-----+-----+-----+  
| IT-17057 | Zaber | NULL  |  
+-----+-----+-----+
```