Lesson 01 Demo 01

Creating Databases and Tables

Project Agenda: To create database and tables

Tools required: MySQL shell

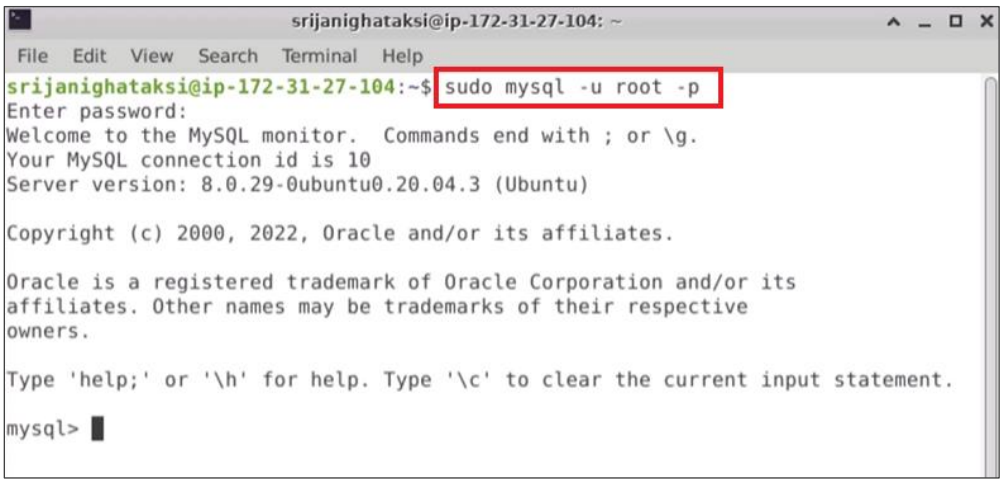
Prerequisites: SQL

Steps to be followed:

1. Open MySQL shell in terminal
2. Create a database mydb
3. Delete mydb
4. Create a new database named estore
5. Create a table named Product
6. Create two tables named User and Orders
7. Alter the table

Step 1: Open MySQL shell in terminal

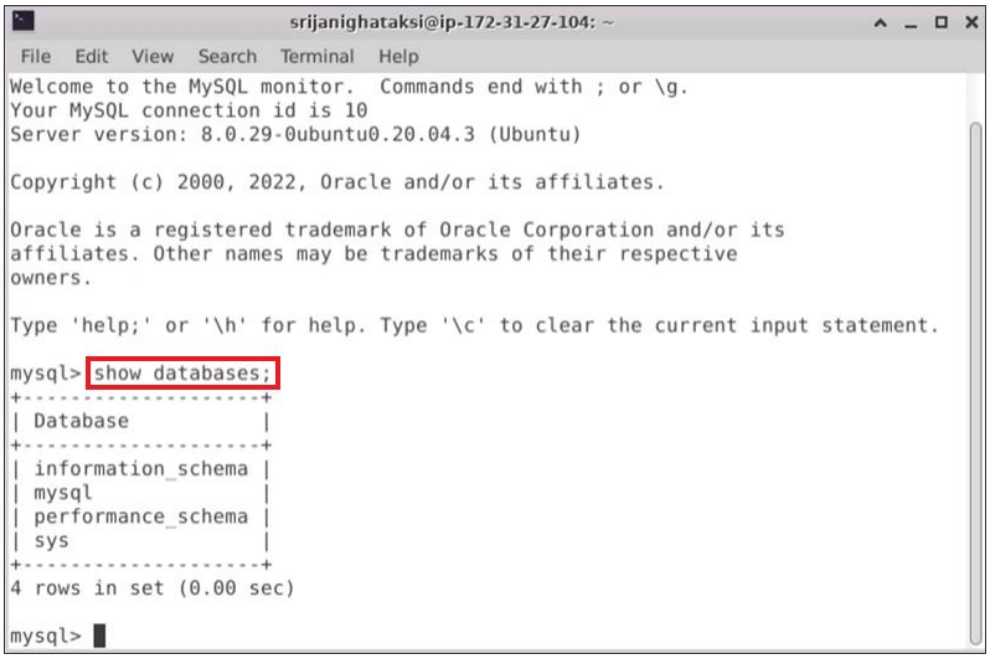
1.1 Open the terminal in lab and type the following command to open MySQL shell:
sudo mysql -u root -p (password can be empty for this root user)



Step 2: Create a database mydb

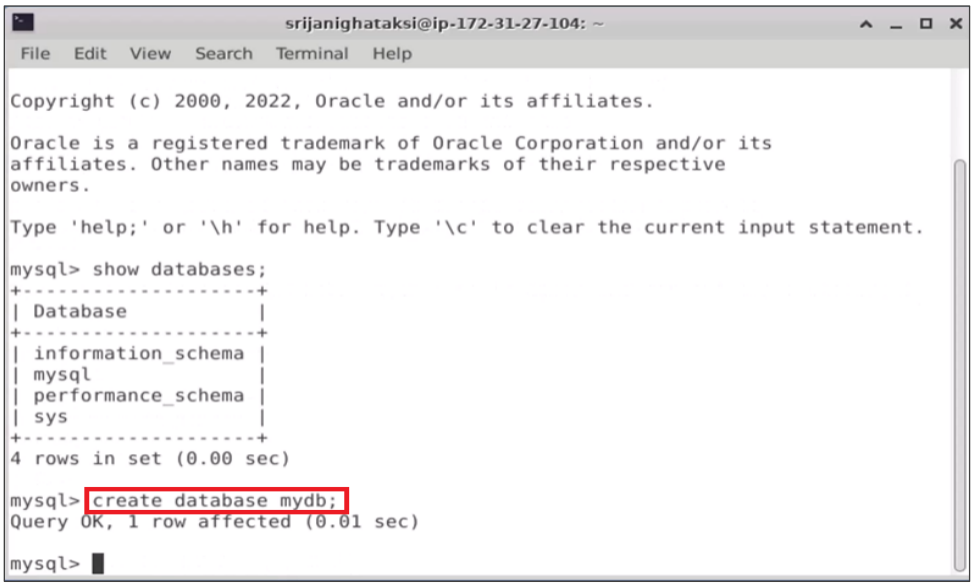
2.1 Run the following command to check the existing databases:

show databases;

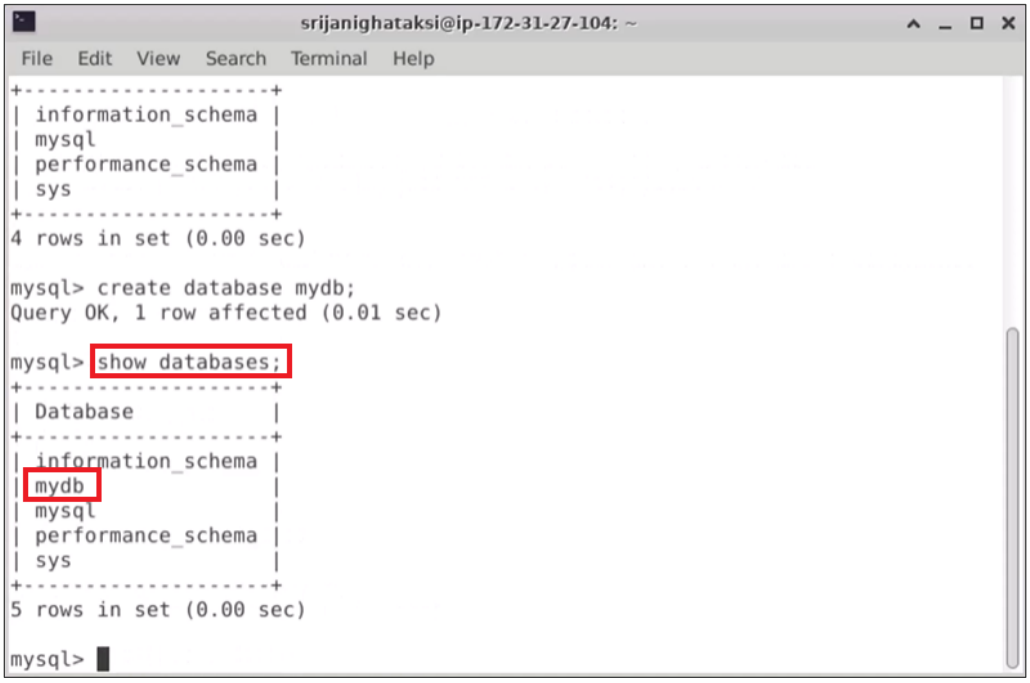


2.2 Create a database using the following command:

create database mydb;

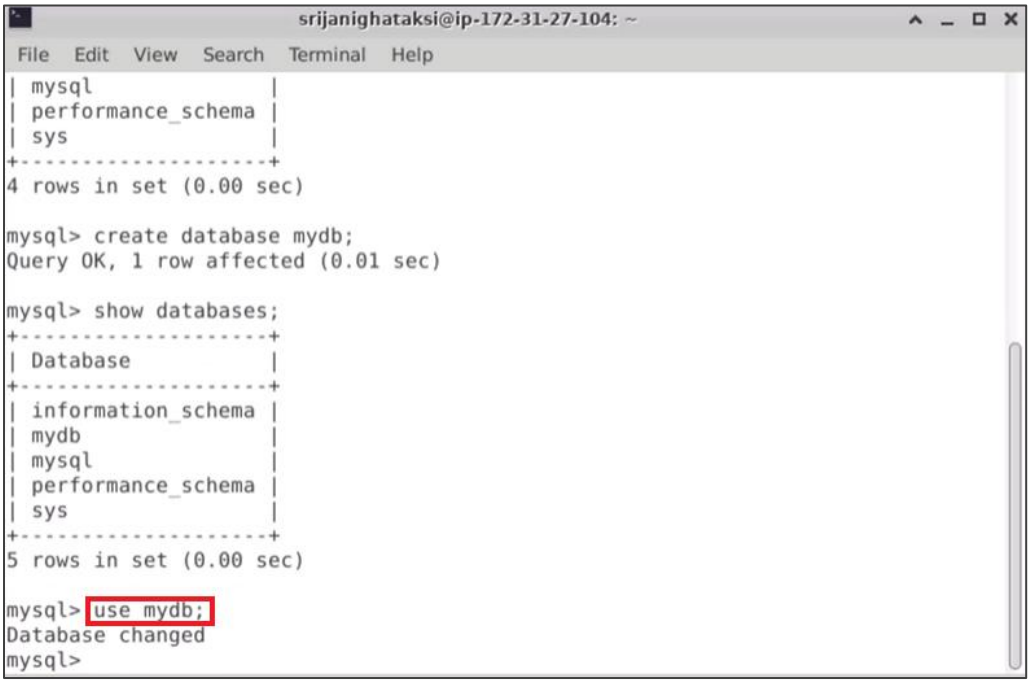


2.3 Check if **mydb** is created or not

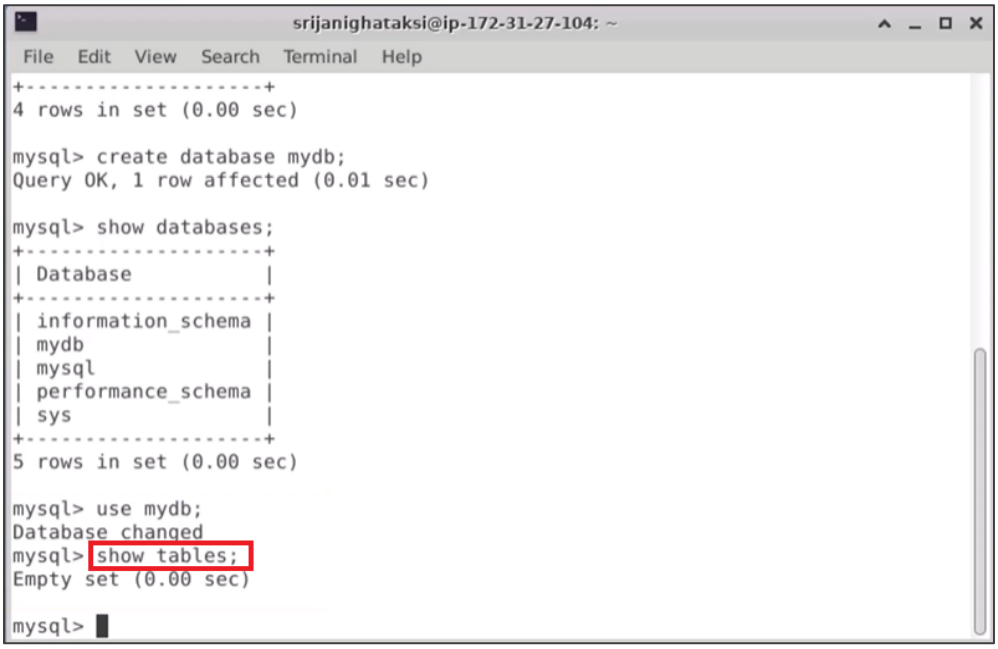


2.4 Change current database to **mydb:**

use mydb;

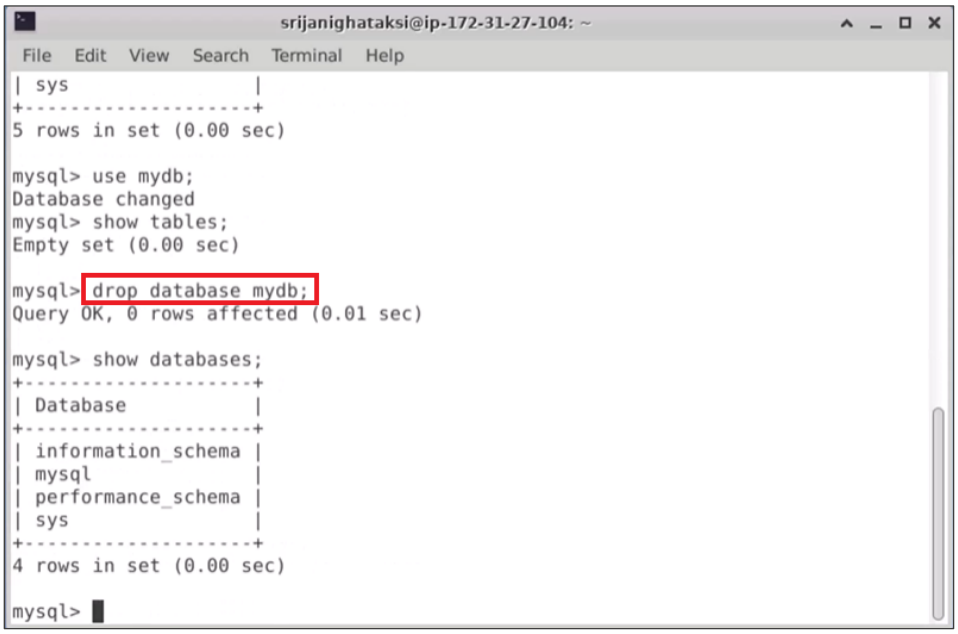


2.5 Check if there is any default table in **mydb** using the below command:
show tables;



Step 3: Delete mydb

3.1 Delete **mydb** using the below command:
drop database mydb;



Step 4: Create a new database named estore

4.1 Run the following commands to create a new database and use it:

create database estore;
use estore;

```
mysql> create database estore;
Query OK, 1 row affected (0.01 sec)

mysql> use estore;
Database changed
```

Step 5: Create a new table named Product

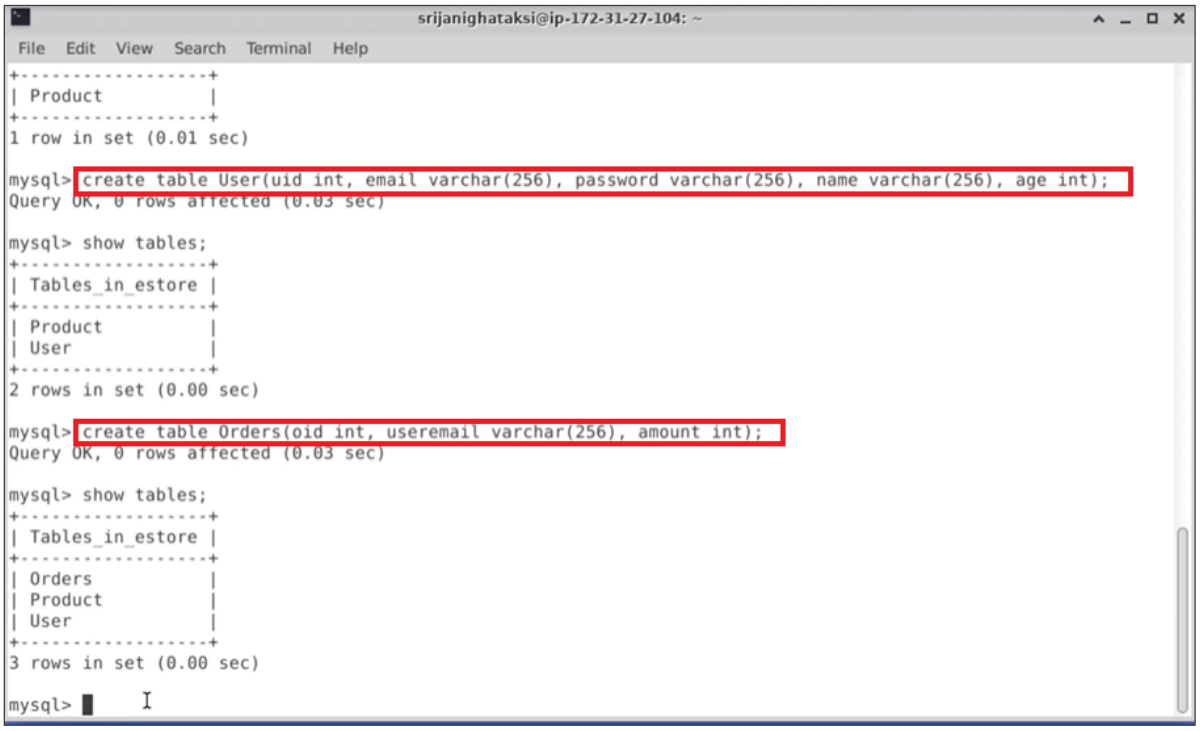
5.1 Run the following commands to create a new table **Product** and to show it:
create table Product (pid int, name varchar (256), brand varchar (256), price int, color varchar (256), ratings float);

```
mysql> create table Product(pid int, name varchar(256), brand varchar(256), price int, color varchar(256), rati
ngs float);
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
+-----------------+
| Tables_in_estore |
+-----------------+
| Product          |
+-----------------+
1 row in set (0.01 sec)

mysql>
```

Step 6: Create two tables named User and Orders

6.1 Run the following commands to create new tables **User** and **Orders** and to show it:

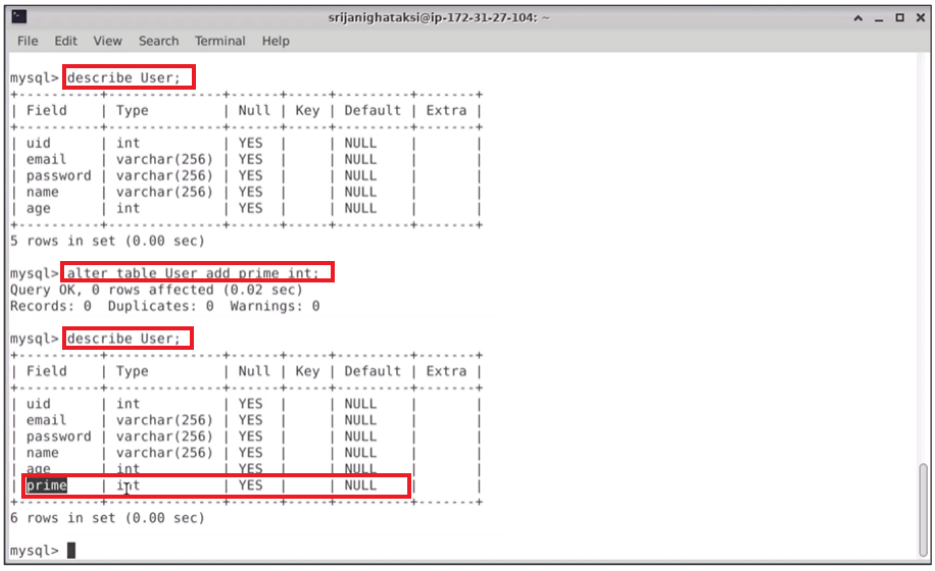
create table User (uid int, email varchar (256), password varchar (256), name varchar (256), age int);
create table Orders (oid int, useremail varchar (256), amount int);
show tables;



Step 7: Alter the table

7.1 Alter and confirm the table using the below mentioned commands:

describe User;

alter table User add prime int;

describe User;