Lab Report No: 05

Name of the lab report : Connecting a database (MySQL) with Linux

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Objective: This Lab is about how we install mysql in Linux OS and after installation some execution of Query like create, insert, delete etc.

Installation process of Mysql:

1.Install the MySQL server by using the Ubuntu package manager:

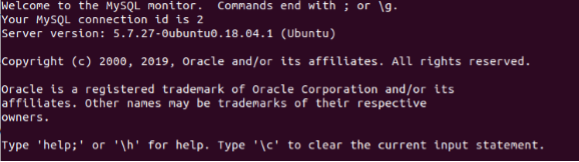
sudo apt-get install mysql-server

2.Run the security script.

sudo mysql\_secure\_installation

3.And then

sudo mysql -u root -p

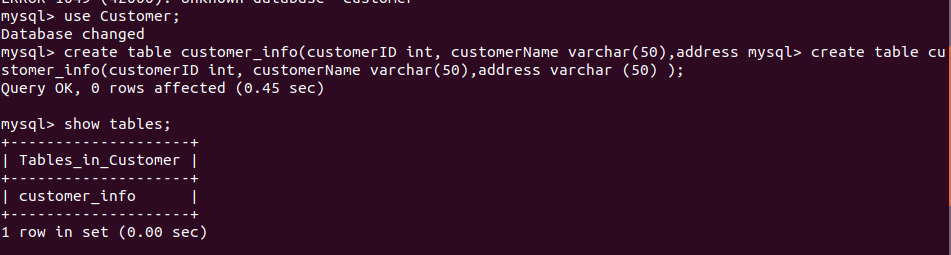


Create database:

In MySQL, we can create a database using the **CREATE DATABASE** statement. But, if database already exits, it throws an error.

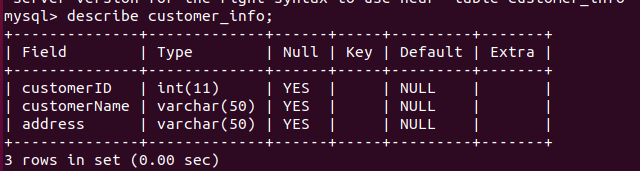


Show tables:

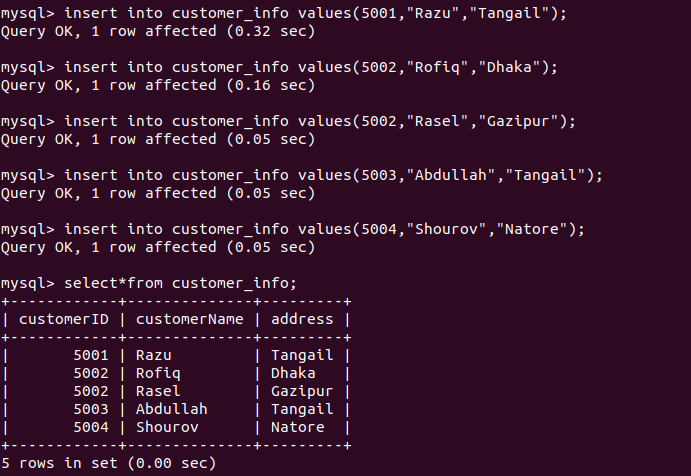
Use the database with the name sample and have some tables. First, we will show all tables after that we will apply to sort on the table name. 

Describe table:

To show the table information , we use this command.

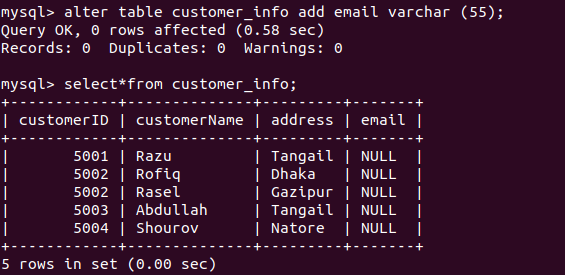
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Insert data:

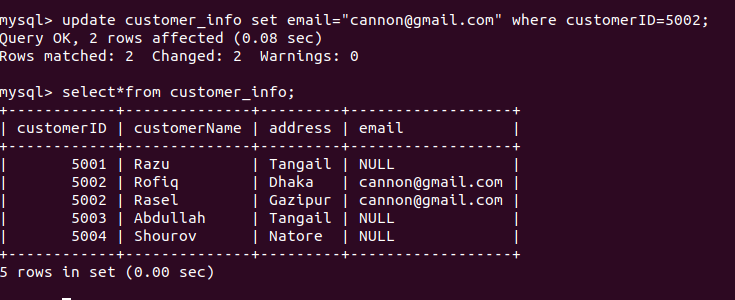
SQL has the INSERT command that is used to store data into a table. The **INSERT command creates a new row**in the table to store data. 

Show information :

select \*(all) from Table name;

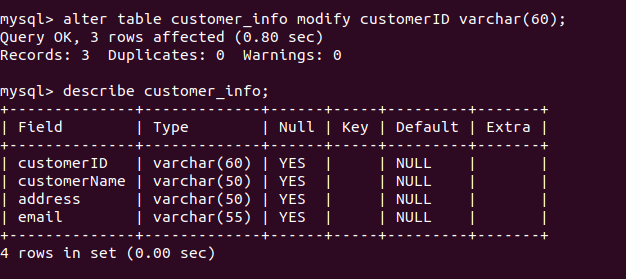
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Update table:

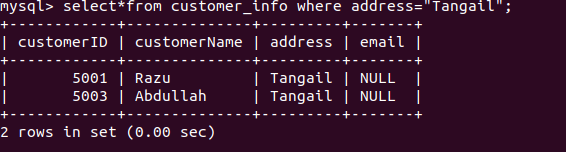
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Alter table:

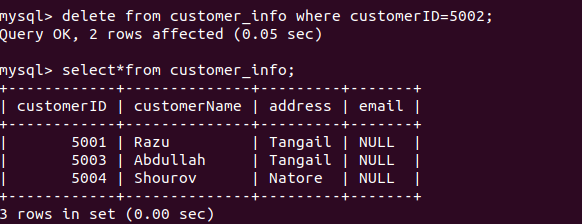
The ALTER TABLE statement is used to add, delete, or modify columns in an existing table



Use of ‘where’ key word:

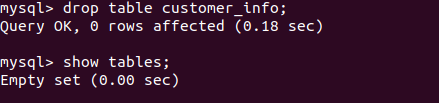


Delete from table:



Drop data of table:

The DROP TABLE statement is used to drop an existing table in a database.



Conclusion : MySQL is the world's most popular open-source database. Despite its powerful features, MySQL is simple to set up and easy to use. And from this lab I have learnt how to connect database with linux and how to execution some query.