Lab No: Project Part 3

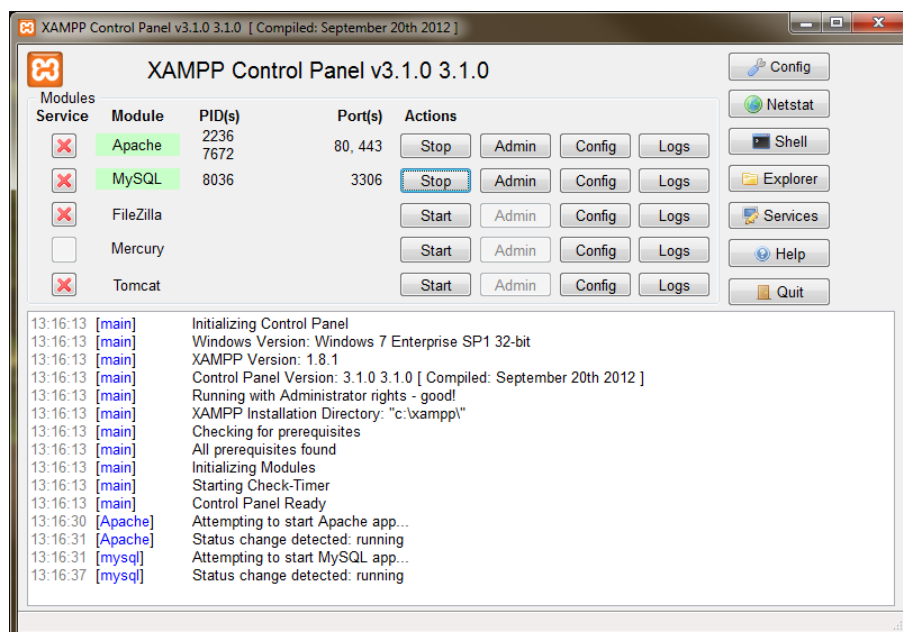**Lab Title**: Create a MySQL Database

Objective: At the end of the lesson, students will be able to build a database using MySQL
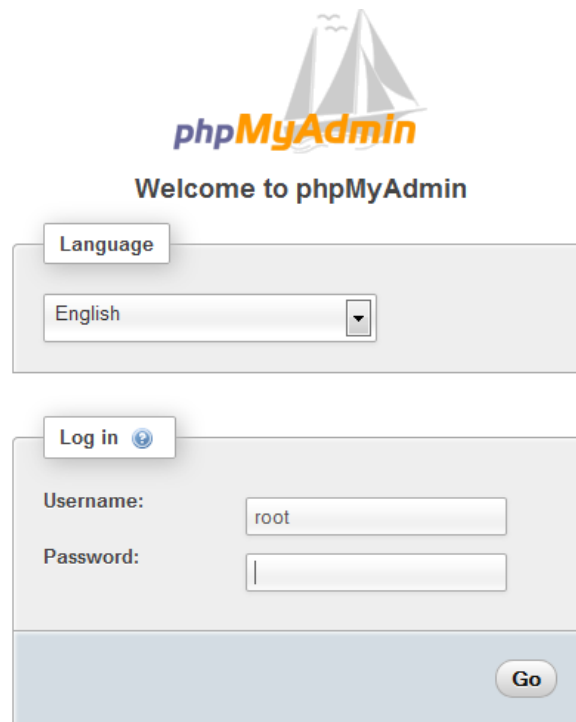
Resources:

1.   Development Computer.

2.   Apache server, MySQL, and phpmyadmin

Procedures:

1.   launch the XAMPP control panel and start the Apache and MySQL servers as shown:
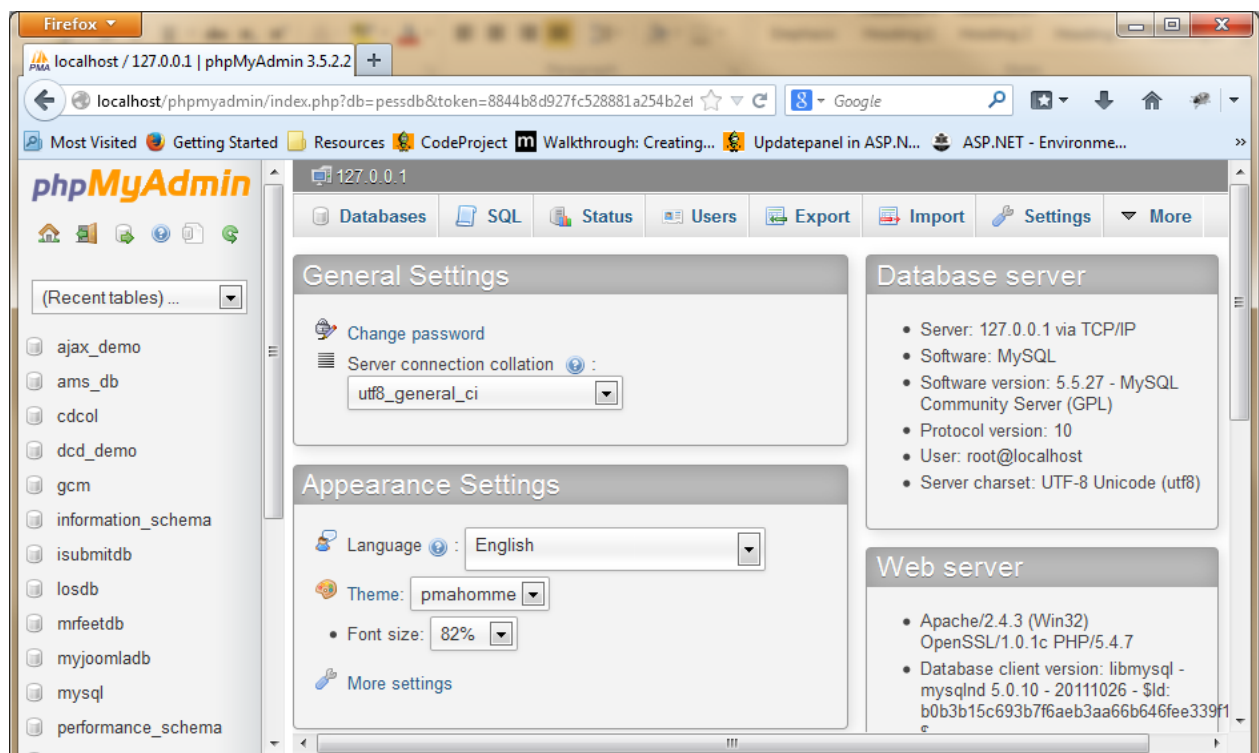

4.   Click the Admin button for MySQL. This loads the login page for phpMyAdmin as shown below. Type "root" as the Username, type the password, if any, and click **Go**.
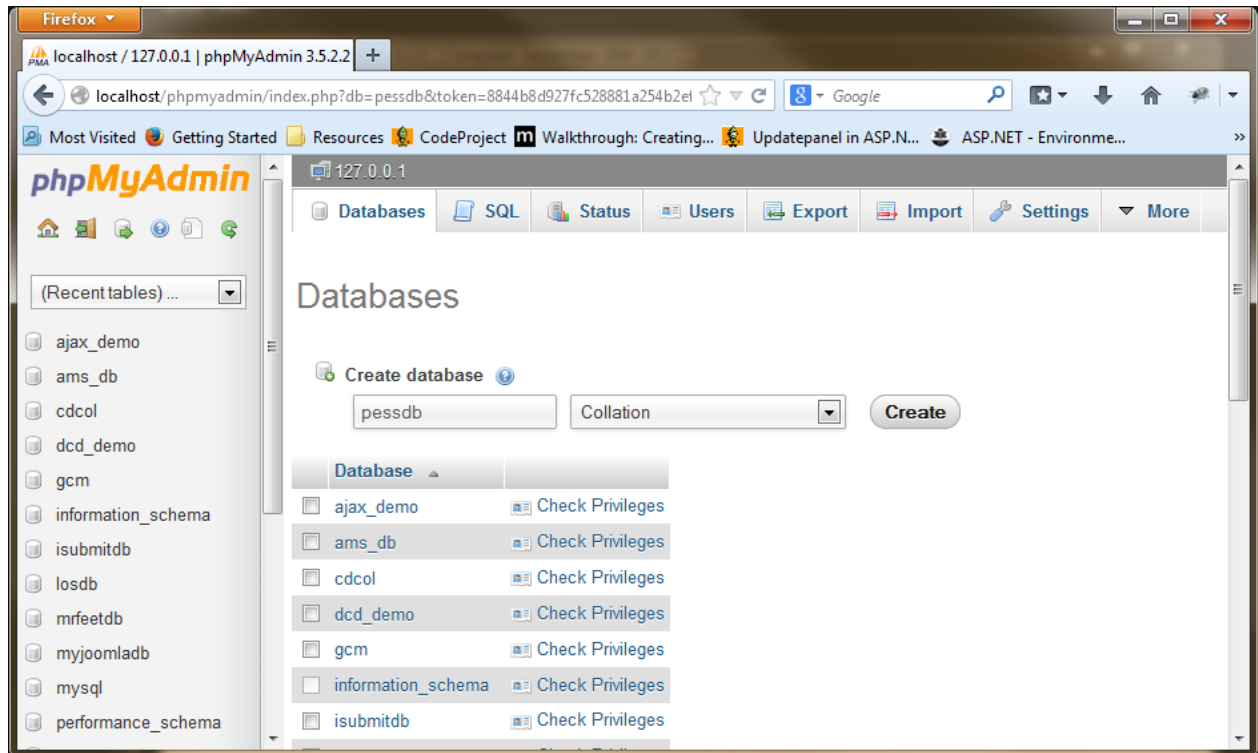
5.　　After successfully logging in , you should see a similar screen as shown:
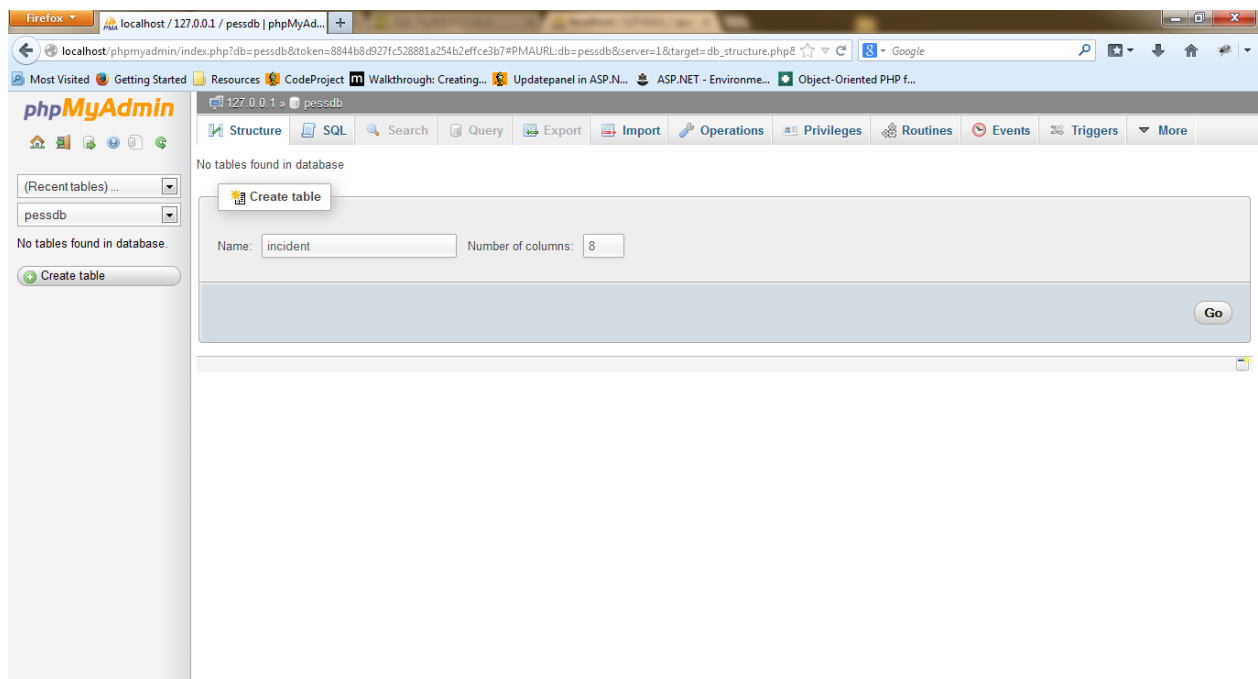
Part 1 – Create a Database with 6 Tables

6.   You shall create a database named **pessdb** to be used for your mini project later on.

7.   In the **Create database** text box, enter **pessdb** and click **Create**.

8.   In the **pessdb** database, create a table called **incident** with 8 fields as shown:

9. Set primary key and check the A_I option for incident_id field.

10. Upon completion, you would have created an incident table in the pessdb database as shown:

Table name: incident

11. Continue to create another 5 tables as shown, take note of the primary key option in each table:

Table name: dispatch

Table name: incident_status

Table name: incident_type

Table name: patrolcar

Table name: patrolcar_status

12.   Congratulation, you have successfully built yourself a database with 6 tables.
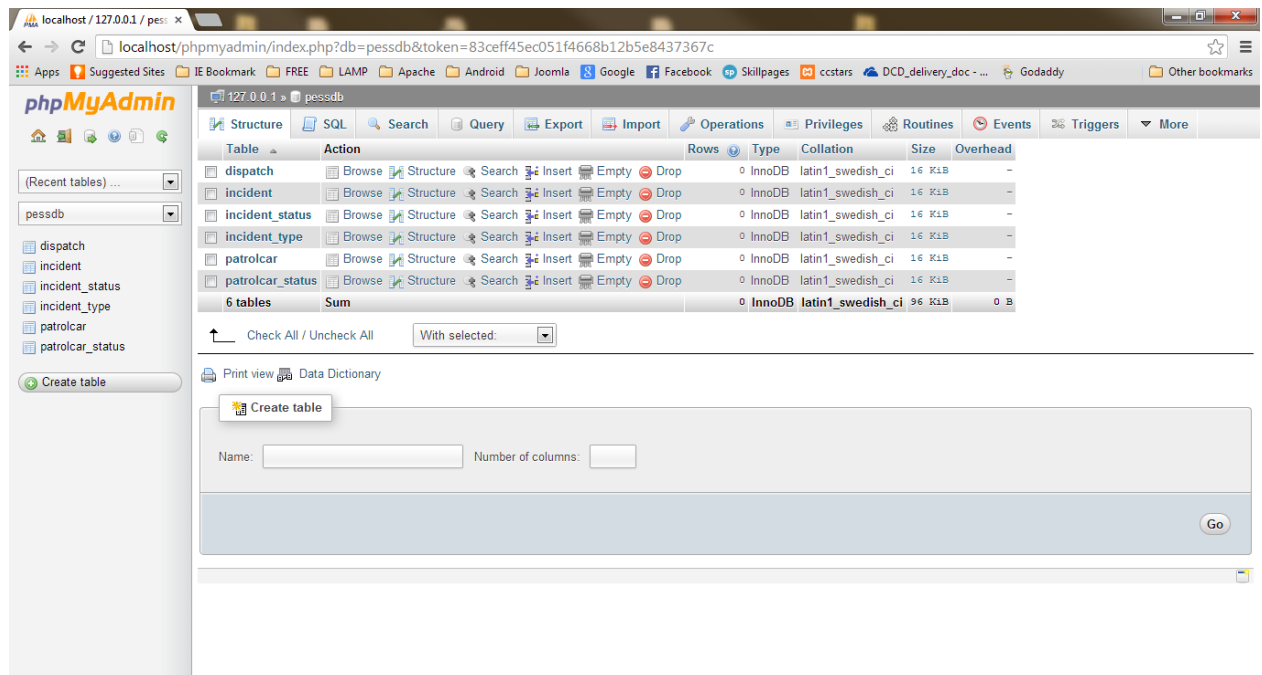
Part 2 – Create Table Relationships

13.   Click **Designer** tab on the menubar, create relationships for the respective tables as shown: (Use Chrome if it does not work on other browsers.)
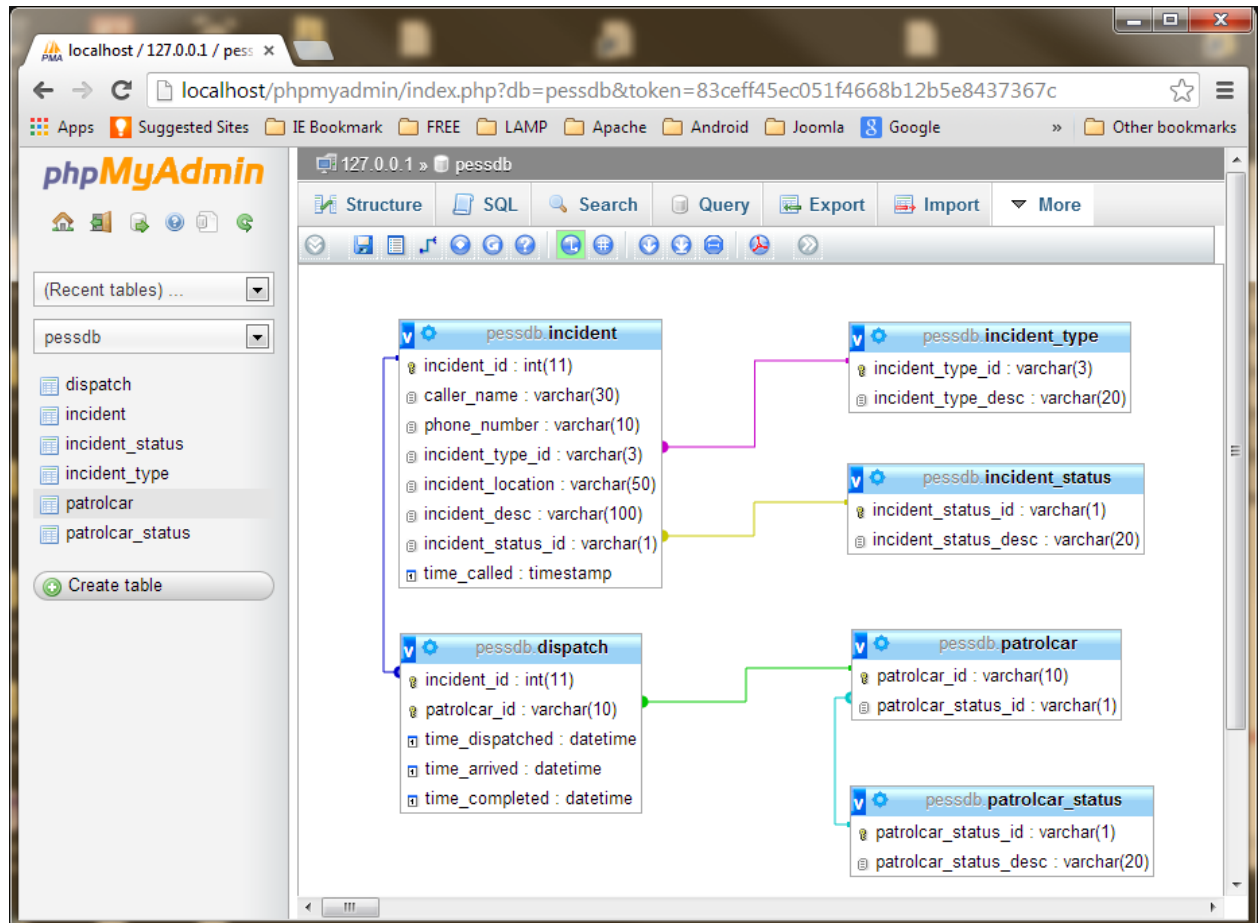
Part 3 – Create a User Account for the Database with limited Privilege

14. You must create a separate user account for your application to access the database with limited privileges.

15. In the pessdb database, on the menubar > **Privileges** > **Add user** as shown:

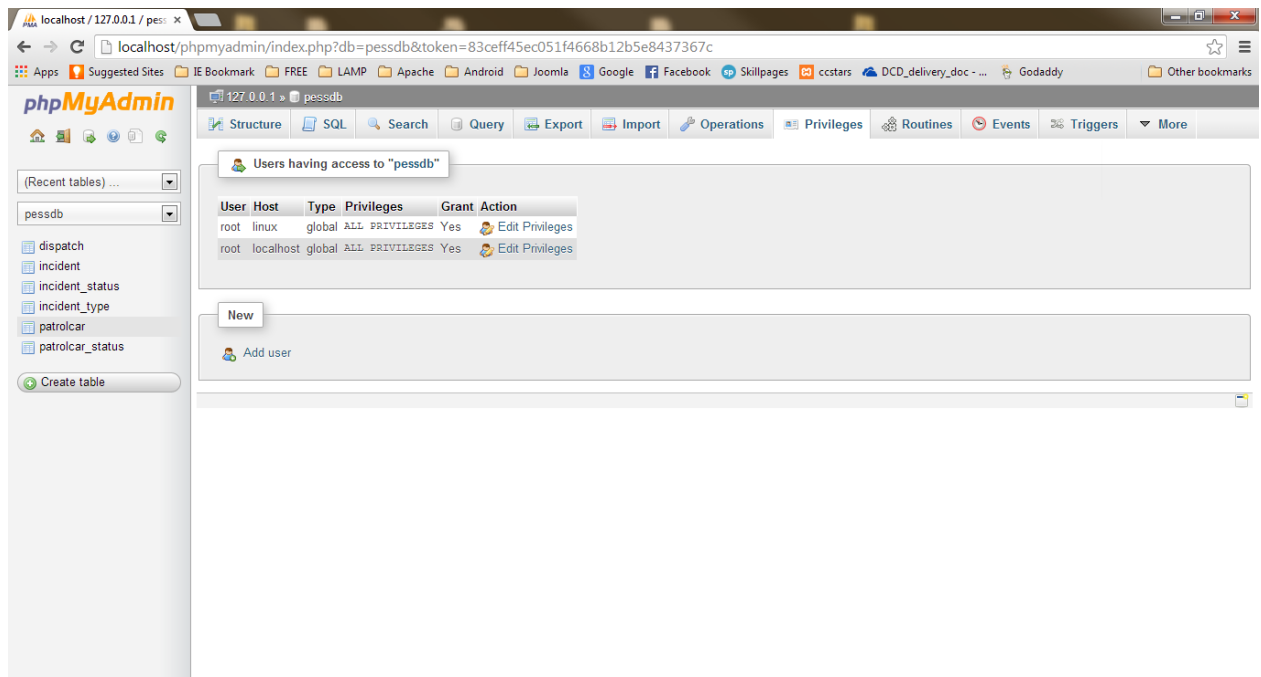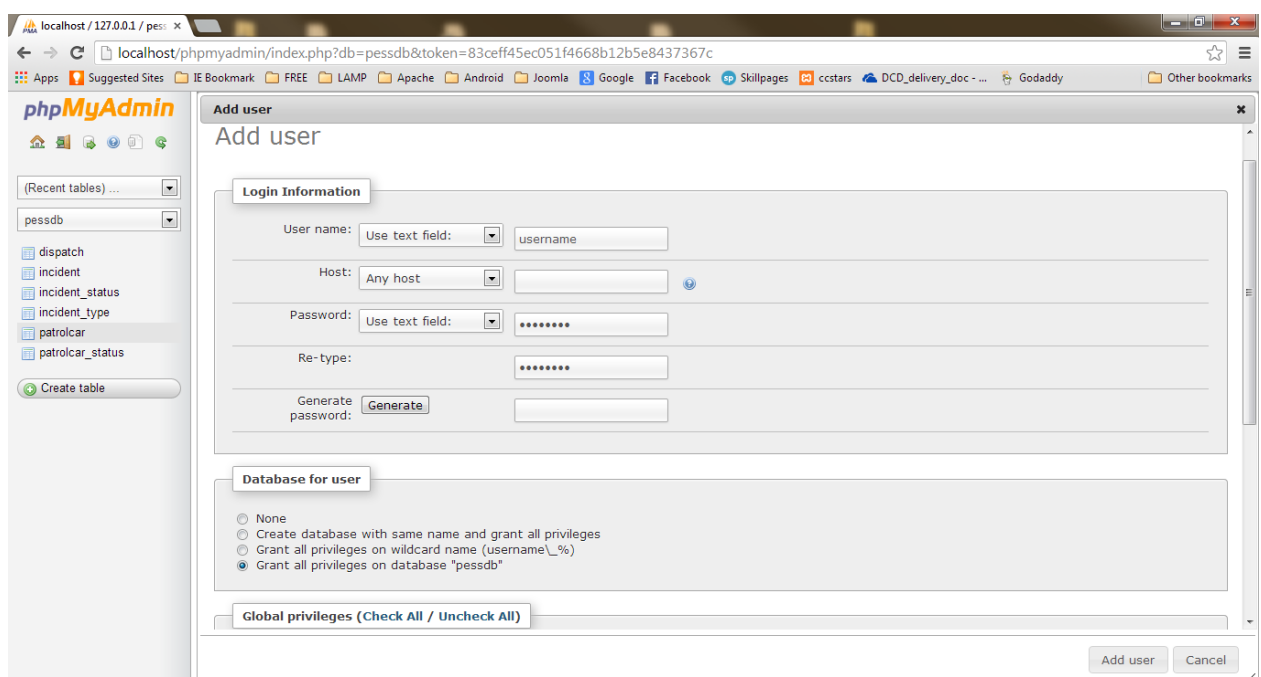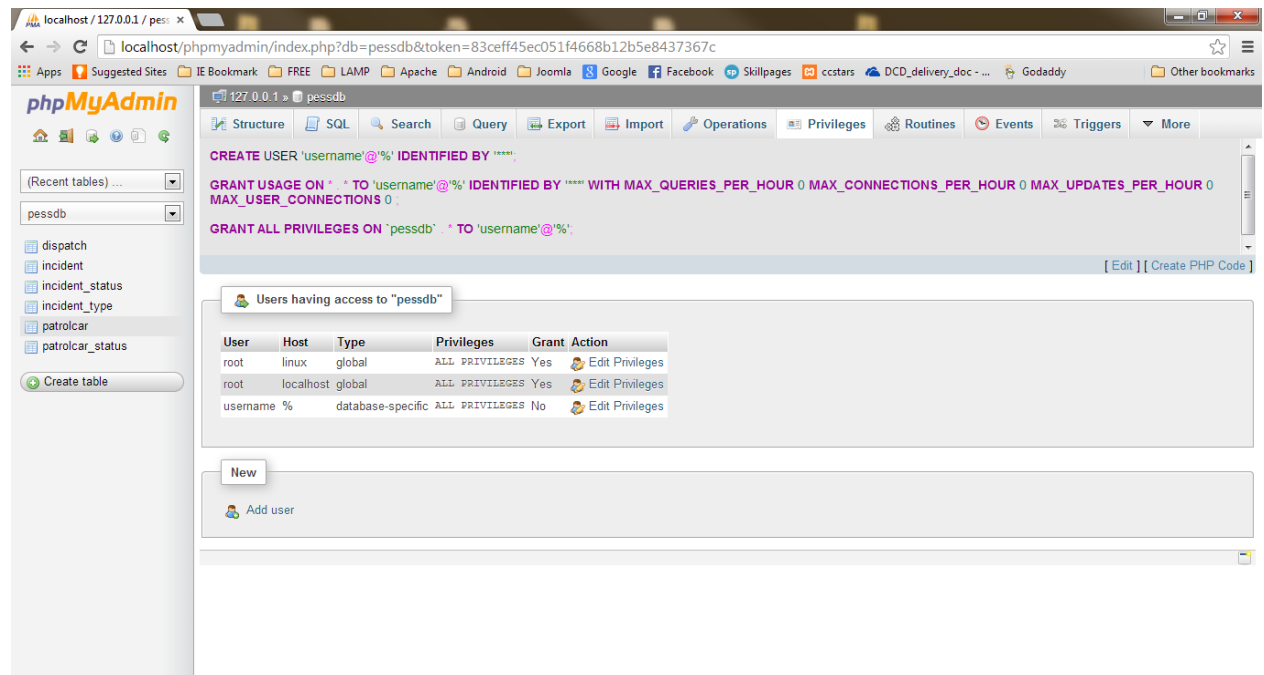16. Type "username**"** for User name field and "password**"** for Password field, then click **Add user**.

17.   Click **Edit Privileges** for "username" row

18.   Make sure only the 4 checkboxes under **Data** are checked, then click **Go** and is done.