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

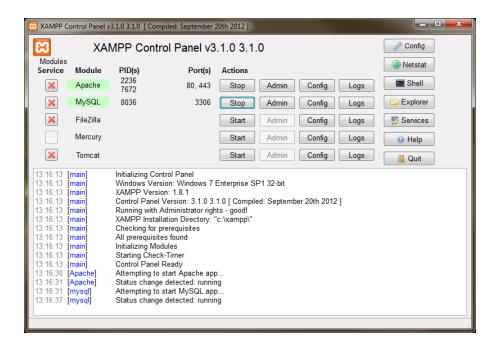
## **Resources:**

1. Development Computer.

2. Apache server, MySQL, and phpmyadmin

# **Procedures:**

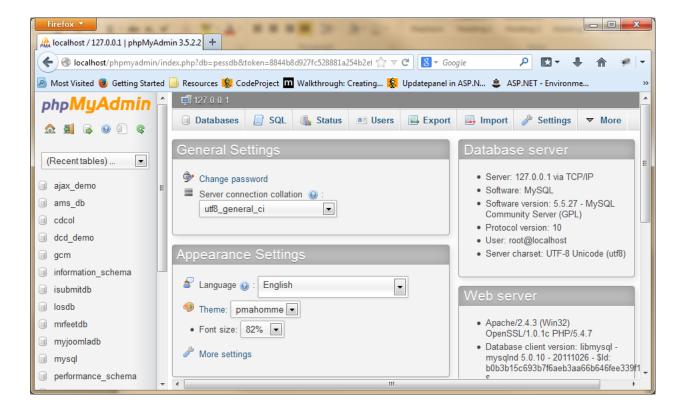
1. launch the XAMPP control panel and start the Apache and MySQL servers as shown:



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**.

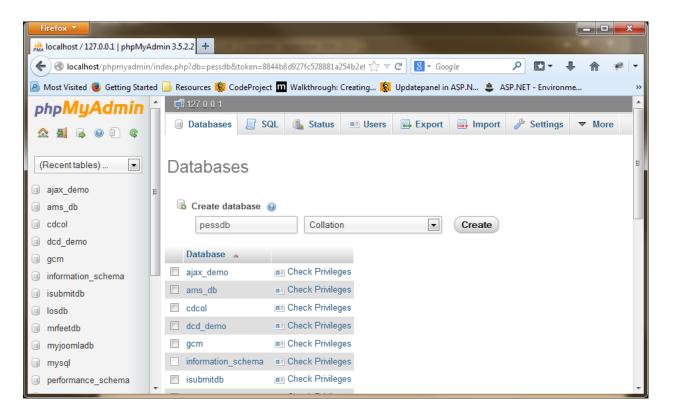


5. After successfully logging in , you should see a similar screen as shown:

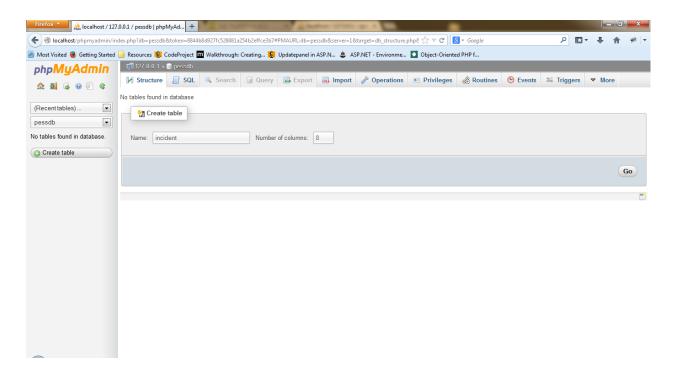


## Part 1 – Create a Database with 6 Tables

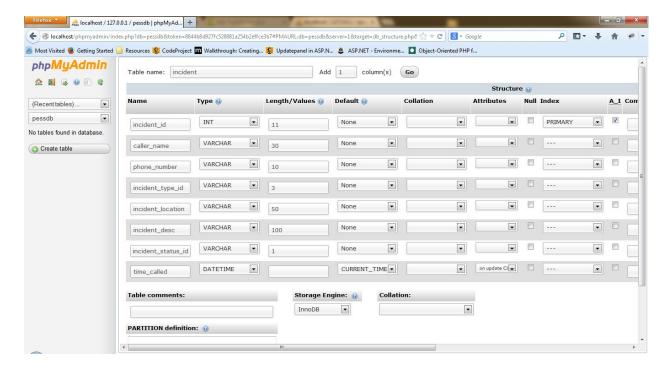
- 6. You shall create a database named **pessdb** to be used for your mini project later on.
- 7. In the Create database text box, enter pessdb and click Create.



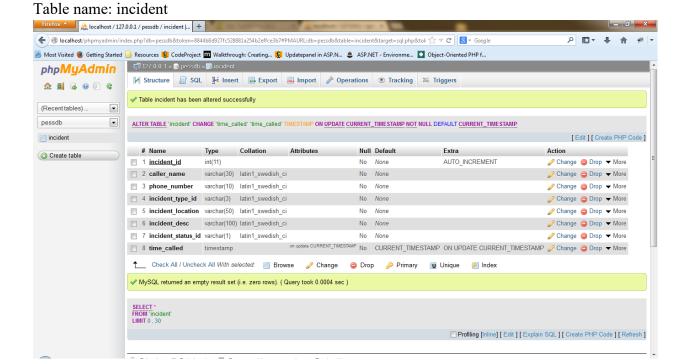
8. In the **pessdb** database, create a table called **incident** with 8 fields as shown:



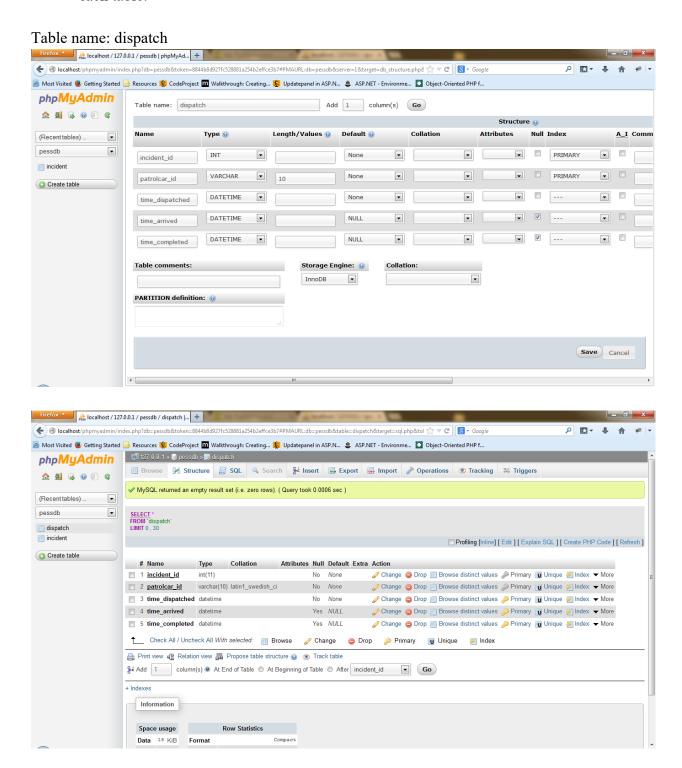
9. Set primary key and check the A I option for incident id field.



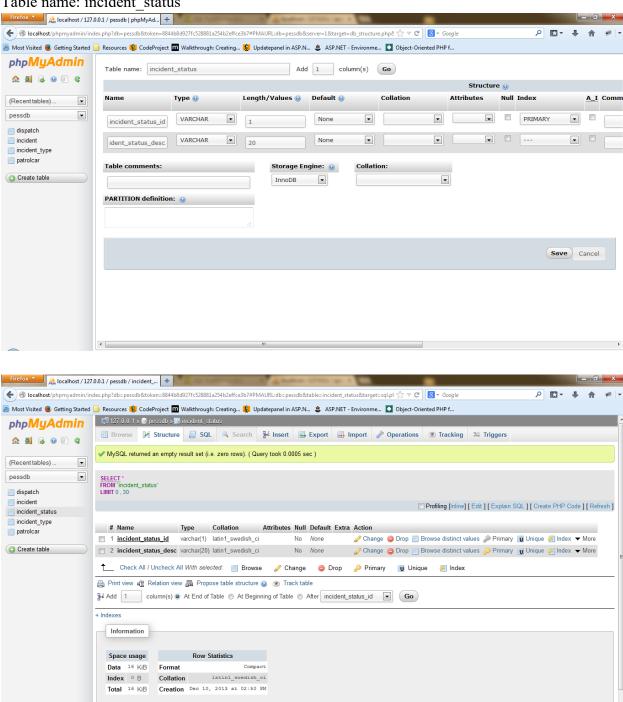
10. Upon completion, you would have created an incident table in the pessdb database as shown:



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



#### Table name: incident status



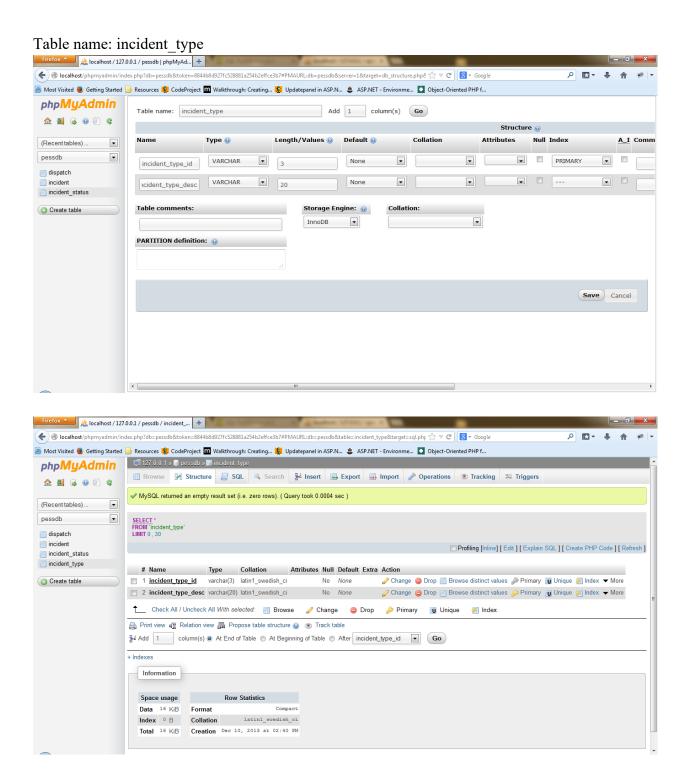
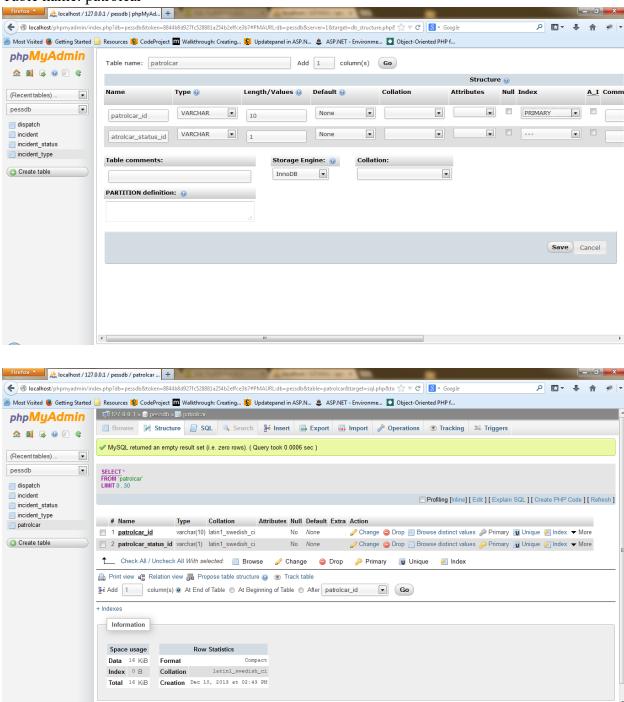


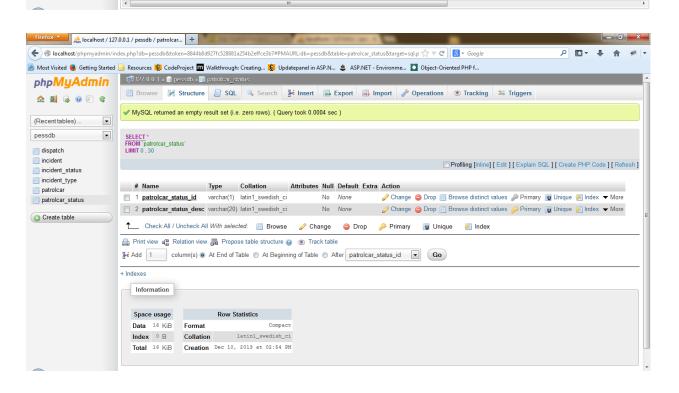
Table name: patrolcar



PARTITION definition: ()

Create table

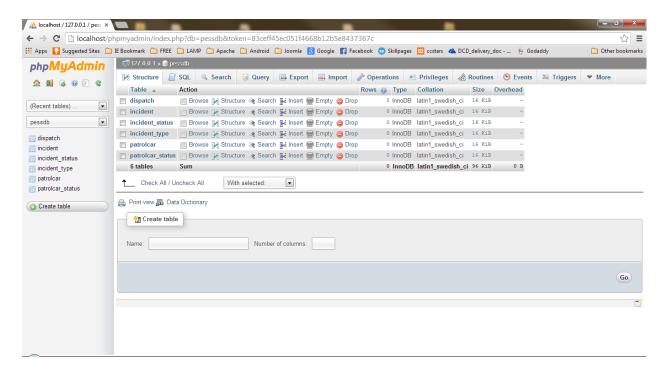
Table name: patrolcar\_status Firefox | Incalhost / 127.0.0.1 / pessdb | phpMyAd... + 🌓 🕝 localhost/phpmyadmin/index.php?db=pessdb&token=8844b8d927fc528881a254b2effce3b7#PMAURLidb=pessdb&server=1&target=db\_structure.php8 😭 🌣 🖰 📗 🕏 coogle P □ + ↑ ↑ 🙆 Most Visited 😻 Getting Started 📙 Resources 🕵 CodeProject 🎹 Walkthrough: Creating... 🕵 Updatepanel in ASP.N... 😩 ASP.NET - Environme... 💟 Object-Oriented PHP f... phpMyAdmin Table name: patrolcar\_status Add 1 column(s) Go Structure (a) (Recent tables) ... Name Type 😡 Length/Values 😡 Default (9) Collation Attributes Null Index -• pessdb ■ PRIMARY atrolcar\_status\_id VARCHAR • -• None 1 dispatch olcar\_status\_desc VARCHAR ₹ 20 • **■** --incident\_status incident\_type Table comments: Storage Engine: 🕡 patrolcar • • InnoDB



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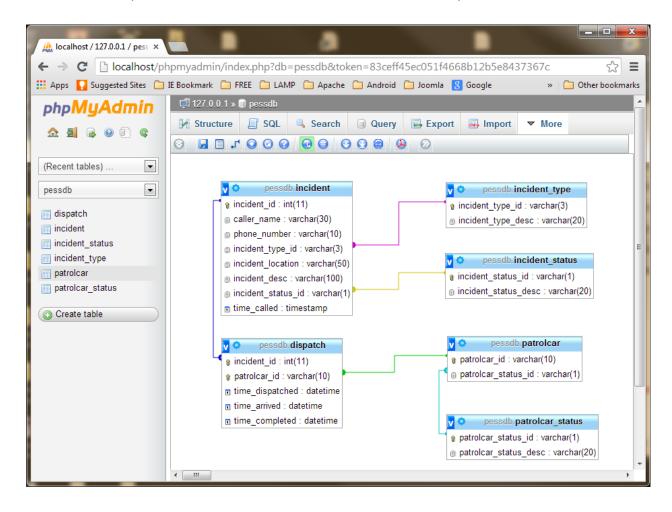
Save Cancel

12. Congratulation, you have successfully built yourself a database with 6 tables.



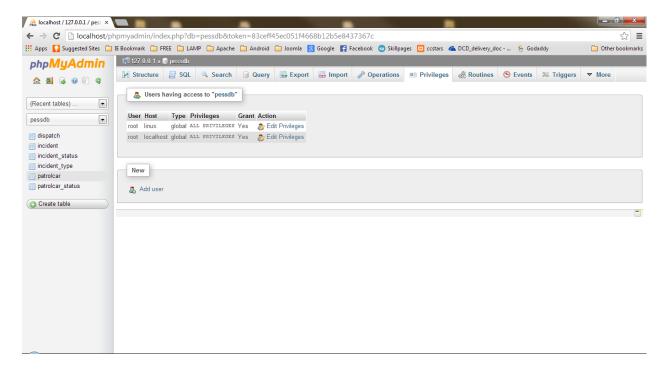
## Part 2 – Create Table Relationships

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.)

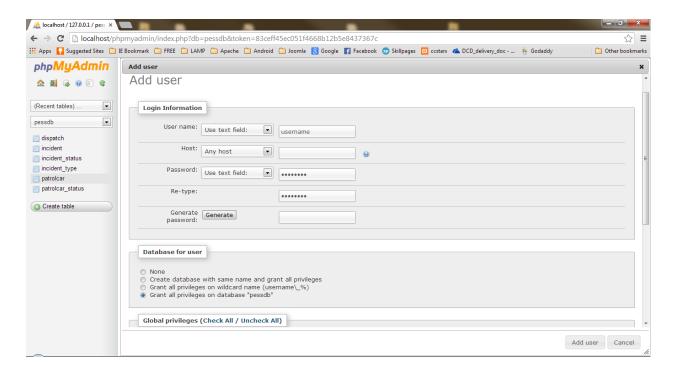


## Part 3 – Create a User Account for the Database with limited Privilege

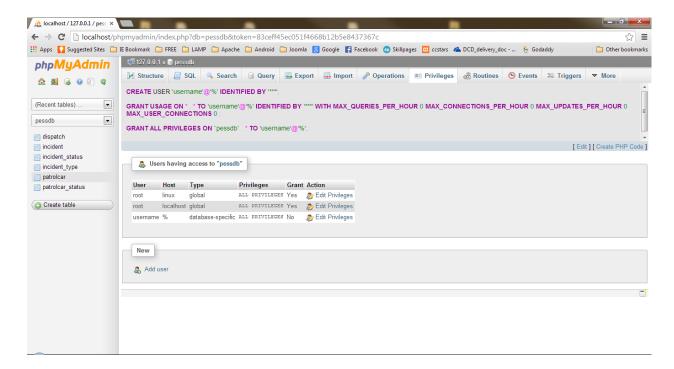
- 14. You must create a separate user account for your application to access the database with limited privileges.
- 15. In the pessdb database, on the menubar > **Privileges** > **Add user** as shown:



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.

