Module

Website Development

Module Code

Duration

5 hours

LABSHEET 20

Title:

Create Database

Objective(s):

At the end of the lesson, students will be able to create a database using a RDBMS.

Tools, Equipment and Materials:

- 1 Development computer
- 2 Code editor

Instructions:

Part (A): Create Database

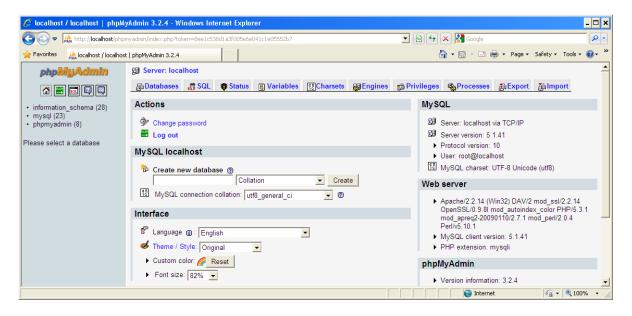
- Your computer would have been installed with MySQL and the phpmyadmin application as the administrative tool for MySQL. Refer to https://www.apachefriends.org/index.html for the installation of XAMPP package:
- 2. Click the Admin button for MySQL. This loads the login page for phpMyAdmin as shown below. Type **root** as the username, type the root password, if any, and click Go.



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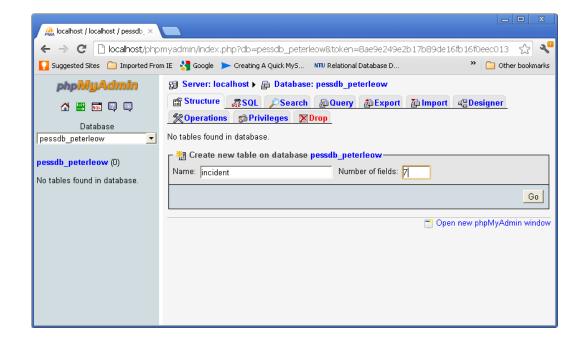
3. After successfully logging in , you should see a similar screen as shown below:



4. Create a database called **yourname pessdb**.

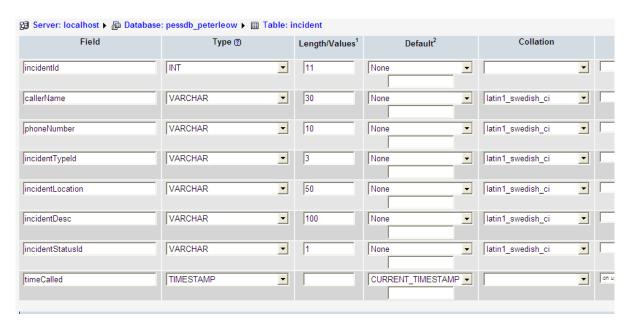
Part (B): Create Tables

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

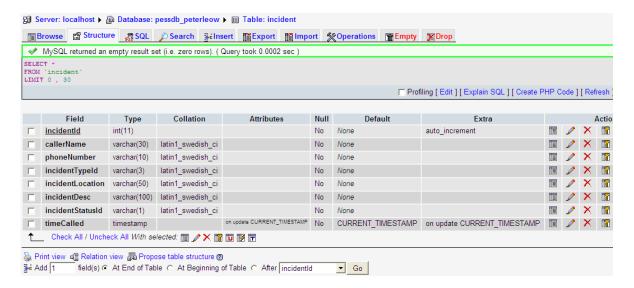


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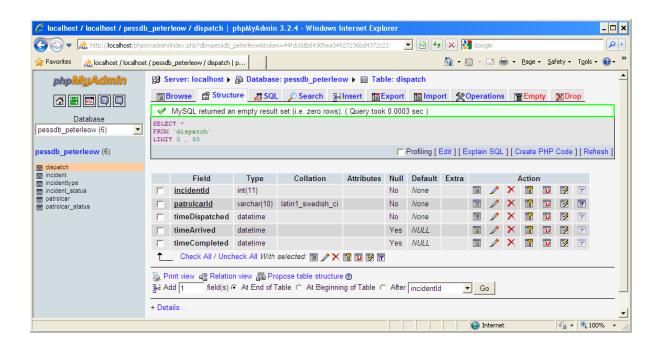
2. Set primary key and check the **AUTO_INCREMENT** option for **incidentId**. You have created an **incident** table in the **yourname_pessdb** database as shown:



3. Continue to create another 5 tables as follows:

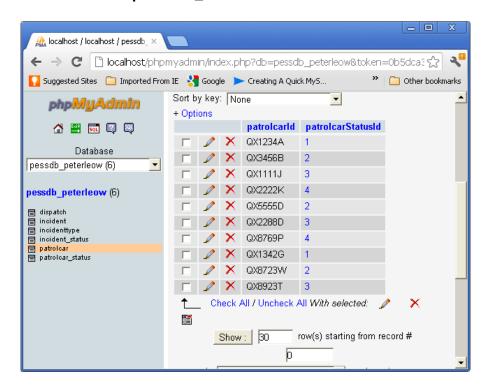
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Part (C): Insert Data

4. Insert data for tables **patrolcar** (use data below) and **patrolcar_status**. Should you enter **patrolcar** table before **patrolcar_status** table?

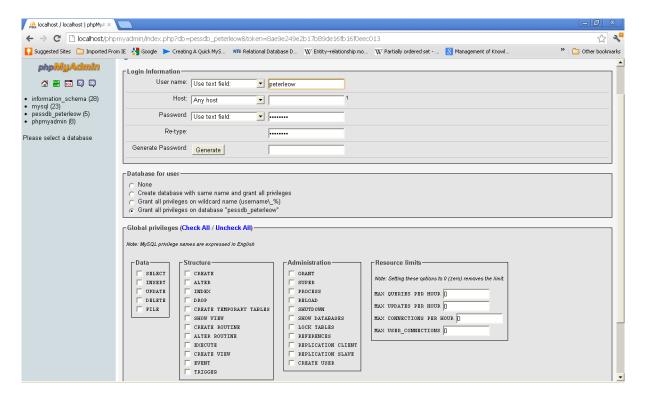


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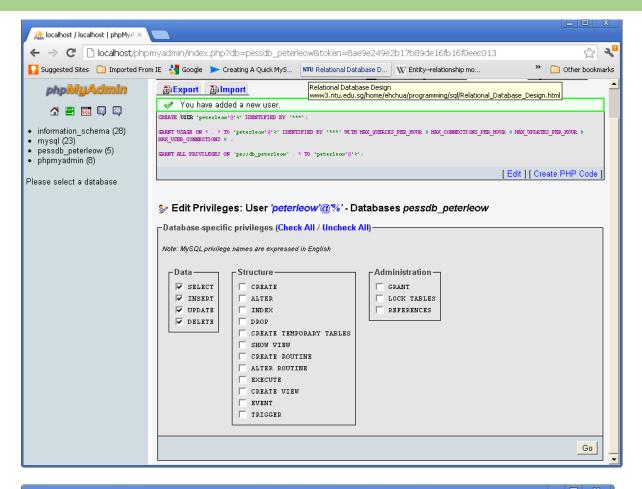
Part (D): Create User Account

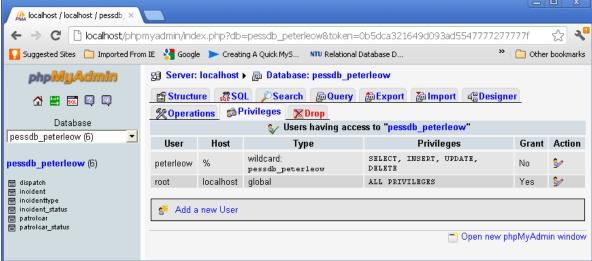
- 5. You must create a separate user account for your application to access the database with limited privileges.
- 6. Select the **yourname_pessdb** database, Privileges > Add a new User as shown (use **yourname** for User name field and **password** for Password field:



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Part (E): Review	
1.	Why are the purposes of incidenttype table and patrolcar_status table?
2.	Why create separate user account for your application?