

University of the Cordilleras
College of Information Technology and Computer Science
SQL Individual Lab Activity No. 1
ICS 5 Lab - Section 2a – 5:30 – 6:45 MWF
Accessing MySQL, Creating Users, Database and generating a backup

Objectives:

To demonstrate how to access the MySQL/MariaDB component of the XAMPP web server solution package via command line.

To demonstrate how to create a database using MySQL/MariaDB using Data Definition Language.

To demonstrate how to create a user for the database and define access privileges using Data Control Language.

To demonstrate how to save a backup .sql file.

Activity:

1. Open Xampp Control Panel and start MySQL service/ module.
2. Open Command Prompt and make sure that you are in C:\.
3. Type the following `cd \xampp\mysql\bin\mysql.exe -u root -p` and press enter.
4. You will be prompted to enter a password. Skip this by just pressing enter.

You should see a welcome message "Welcome to the MySQL...". This indicates that you are successful in accessing the MySQL Database.

The prompt shall be `mysql>`. This means that you are in the global access level.

5. Create a database by typing `CREATE DATABASE <database_name>;`

Database name should be in this format: `ICS52A-2T1718_<terminal_no>_ACT1`

If successful, you will be prompted with the message "Query OK, 1 row affected (0.00 sec)".

Otherwise, an error message will appear instead and check the syntax or missing characters.

6. Create a user and its access privileges to the database that you have created. Type `GRANT ALL PRIVILEGES ON <database_name>.* TO 'foo-2a2t1718'@'localhost' IDENTIFIED BY 'foo123';`

If successful, you will be prompted with the message "Query OK, 0 rows affected (0.00 sec)".

Otherwise, an error message will appear instead and check the syntax or missing characters.

7. Quit the MySQL prompt by typing `\q` or `exit`.
8. Perform Step 3 again but this time, username should be `'foo-2a2t1718'` instead of `'root'`.
9. Enter password as `'foo123'`. You should be successfully logged in. Otherwise, if unsuccessful, check if you have entered the correct username and/or password.
10. Exit by typing `\q` or `exit`.
11. Save the database that you have created in item no. 5 by typing
`\xampp\mysql\bin\mysqldump -u foo-2a2t1718 -p <database name> >`
`<terminal_no_family_name_firstname>.sql`
12. You could find the .sql file that you just created in `C:\xampp\mysql\bin`. Copy the file to your Drive Z.
13. In your Drive Z, create a folder named "Finals" and paste the copied .sql file inside.