

Database Fundamentals

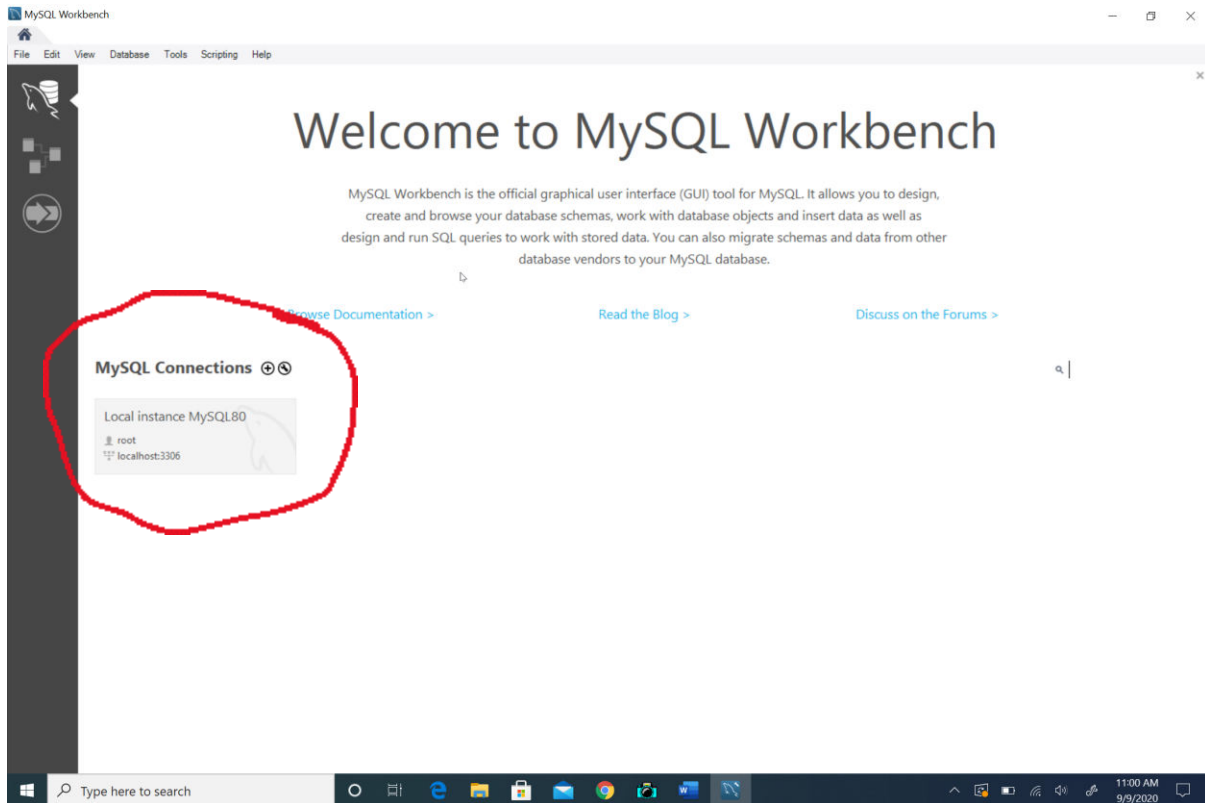
Lab Sheet 1

Getting Started with MySQL

1. Open up workbench.

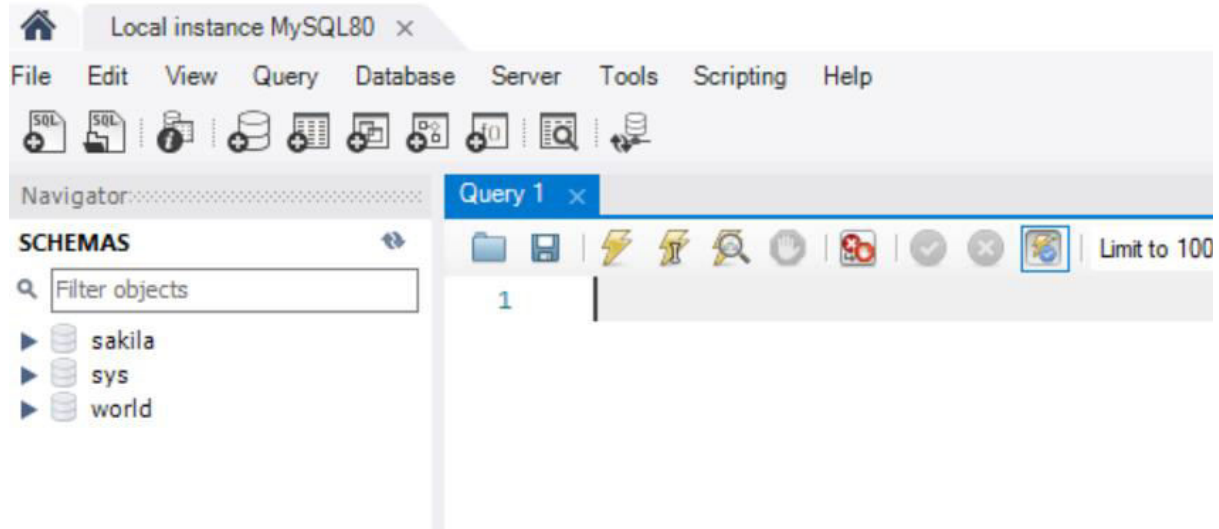
Type MySQL in search field at bottom left of screen (Windows) to open the workbench.

Under SQL Developer select **local instance MySQL**.



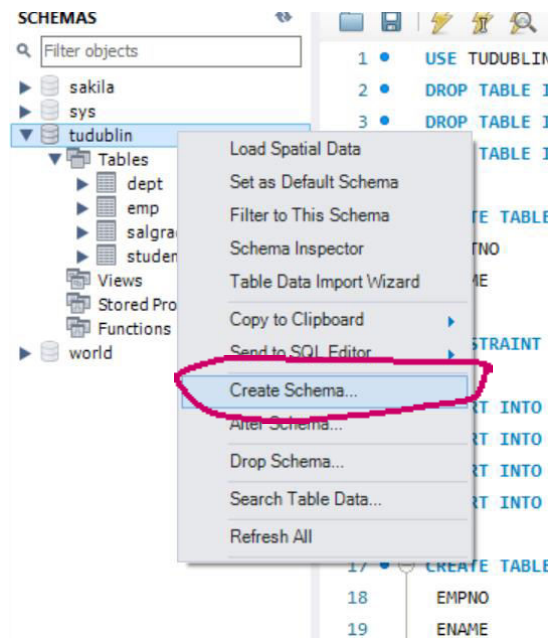
You may be asked for your password

Once the SQL editor is open the databases already created in this instance of MySQL are listed on the left hand side under the heading of '**schemas**'.



On the left under SCHEMAS right-click and select 'create schema' to create a new database.

Call it **tudublin**. Apply the new schema and then Finish.



You should see the 'tudublin' schema on left hand side.

MySQL Query Browser

Next open up MySQL Query Browser window. MySQL Query browser is a GUI area inside workbench for running SQL queries. Available schemas are listed.

Create the emp, dept and salgrade tables from given script as explained below.

The script to create the tables can be found on Moodle in Lab 1/SQL folder.

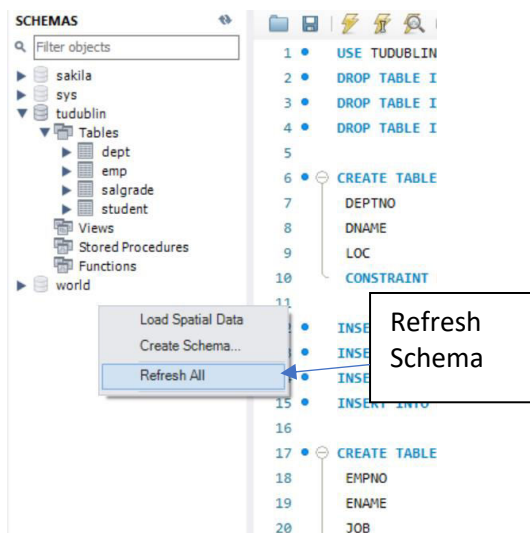
In MySQL Workbench, select file / open SQL script / **CreateTablesForMySQL.sql** or cut and paste the query into the query browser

Don't worry about understanding the code for now – we will cover that in later lectures.



Execute the code using the execute icon:  or select Query / Execute All. This will create the tables in the Database Server.

Remember, MySQLWorkBench is just a client tool, its NOT the database itself. Often when you make a change to the database, you cannot see the change in the GUI tool, you have to refresh its view (like refreshing a page on the web).



Press the refresh button.

You should now see the three tables listed under tudublin / tables: emp, dept and salgrade.