**HOW TO** prepare MySQL for the lessons:

1. Launch your MySQL client and confirm you have a local instance running

-in workbench you should see an existing local instance connection on the home page

Graphical user interface, text, application

Description automatically generated

-in sequelpro it appears as a connection on the left side – quick connect. All the mysql clients have a slightly different layout but the concepts are the same.

Graphical user interface

Description automatically generated

To set up a connection you will need your mysql username and password, and you can return to the pre work for the steps on this if you are unsure of how to do it

Graphical user interface, text, application, email

Description automatically generated

To make sure the server is running, you should connect to the local host connection. You will see an error if the service is not running, in which case you may need to manually start the my sql service. This can be done via the command line or control panel of your laptop.

* <https://www.mysqltutorial.org/mysql-adminsitration/start-mysql/>
* <https://medium.com/macoclock/mysql-on-mac-getting-started-cecb65b78e>
* <https://dev.mysql.com/doc/mysql-getting-started/en/>

1. Graphical user interface, text, application

   Description automatically generatedGraphical user interface

   Description automatically generatedOnce you have a local connection, we want to download the data following the link to the case study in the student portal. This takes you to a particular file, mysql\_dump.sql A sql dump file is a lengthy sql query which creates the schema (structure) of the database and tables, and fills in the data too.
2. The next step is to import the query to create the database. There are a few ways to do this. The easiest way (for me) is to run the query in mysql by opening the file as a sql script.

Graphical user interface, text, application, email

Description automatically generatedOnce the query is open (in sql workbench) hit the lightning bolt to run the query.

If there is an error with running the query you will see a message pop up in the window below – ask the teaching team for help if it’s not an obvious fix, such as your password is incorrect or the server isn’t running.

Graphical user interface, text, application, email

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The alternative method is to do a data import using the wizard that can be found in the Administration menu of mysql workbench, and on the File drop down menu of sequel pro. Try to set the minimum number of options manually in that case – you want everything to be default, as far as possible.

1. Graphical user interface, text

   Description automatically generatedGraphical user interface

   Description automatically generatedWe have the server running, the database Bank is showing on your server. WOOOP! Final step – check that you can query the database… I suggest doing a 1000 row query on the first table in the database or you can type and run ‘select \* from bank.account’