

Creating a Database

Name:

Class:

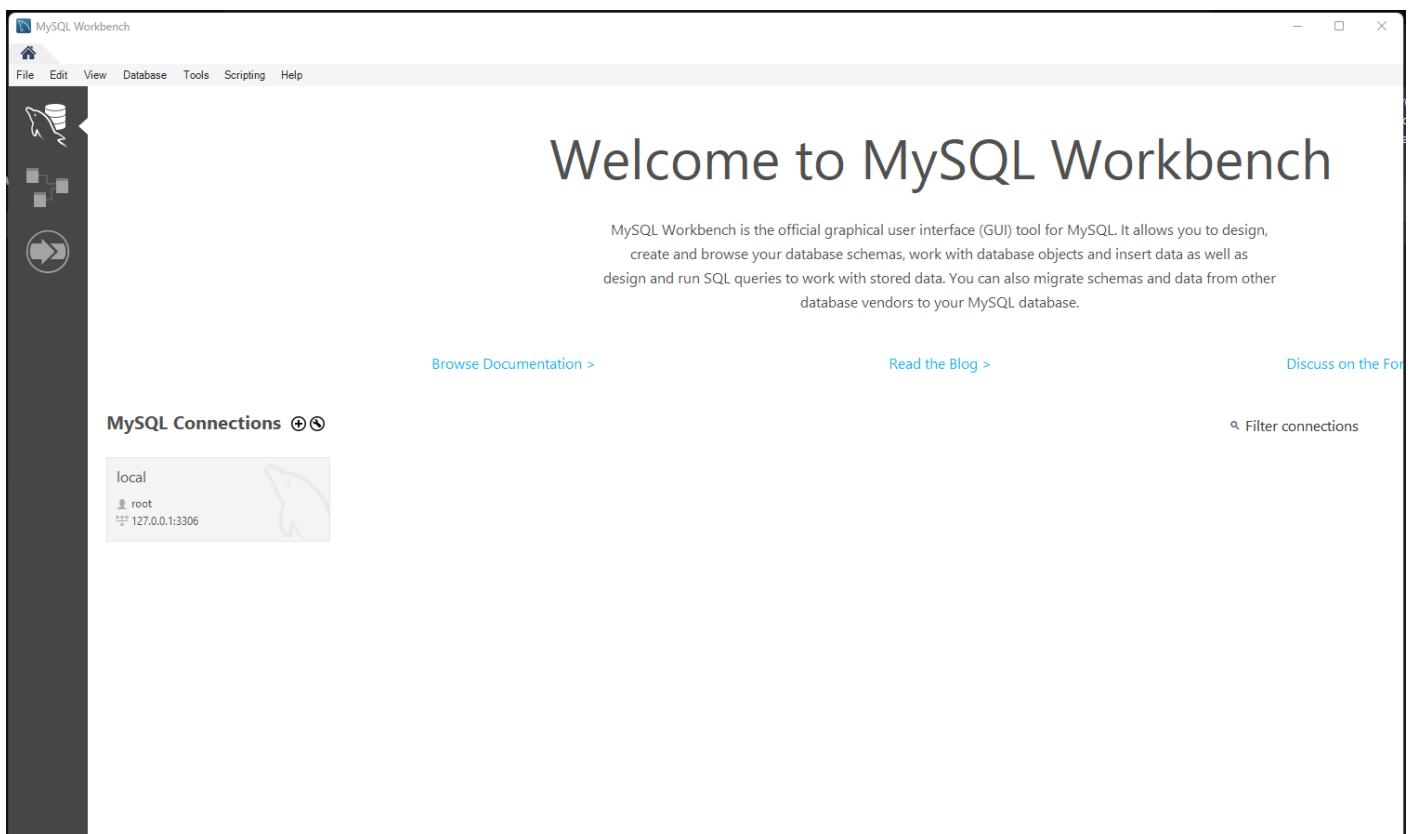
Date:

This worksheet uses MySQL Workbench to create database schemas.

You will find many commands that are universal across most implementations of SQL, however it is still advised to use MySQL Workbench.

Task 1

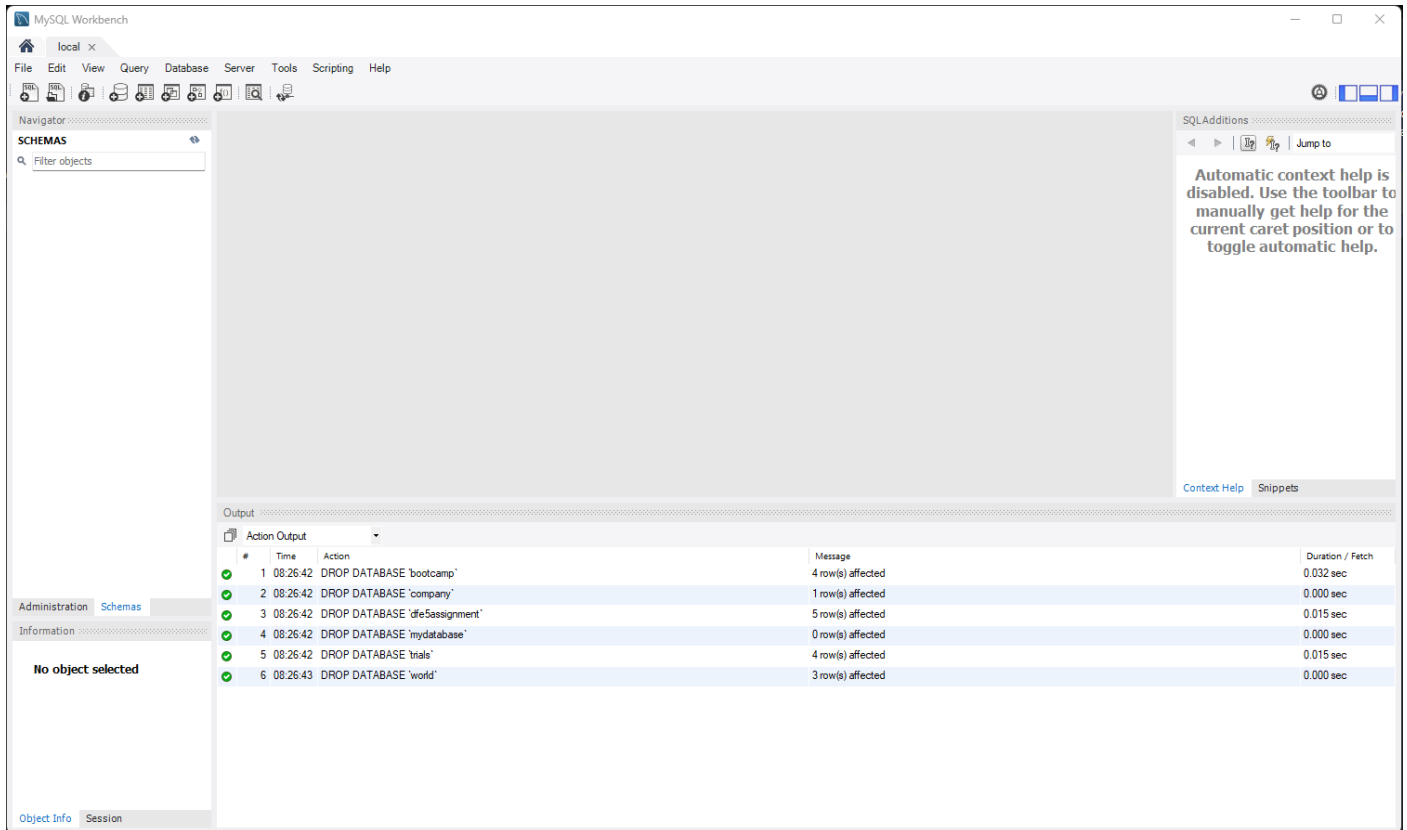
Open MySQL Workbench and connect to the local host.



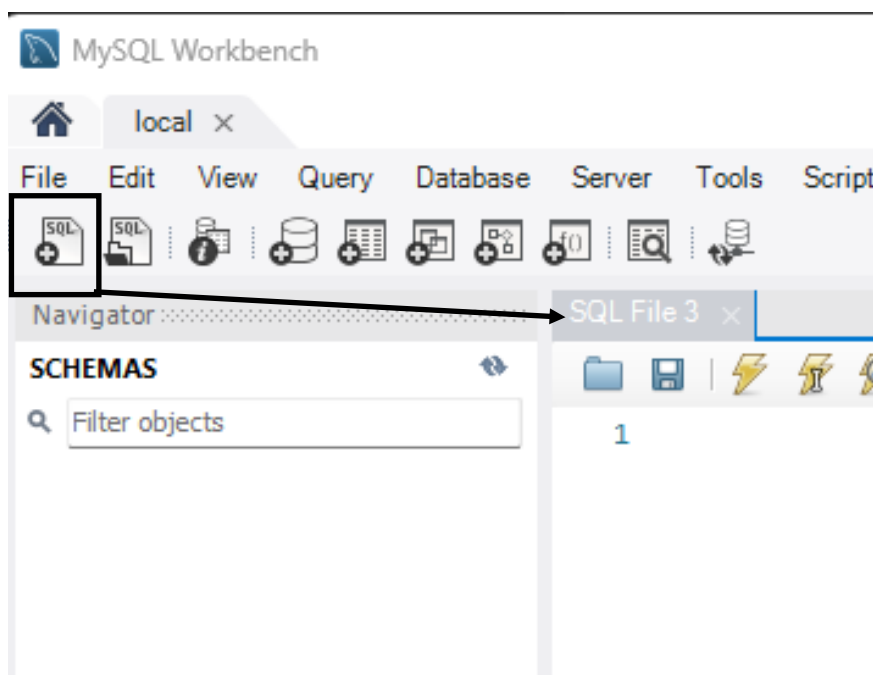
This will open a local viewport where you can create database schemas to organise and store data in what is known as relational databases.

Creating a Database

MySQL Workbench.



From here you will create your first database.



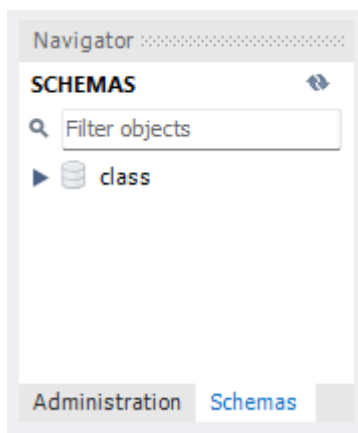
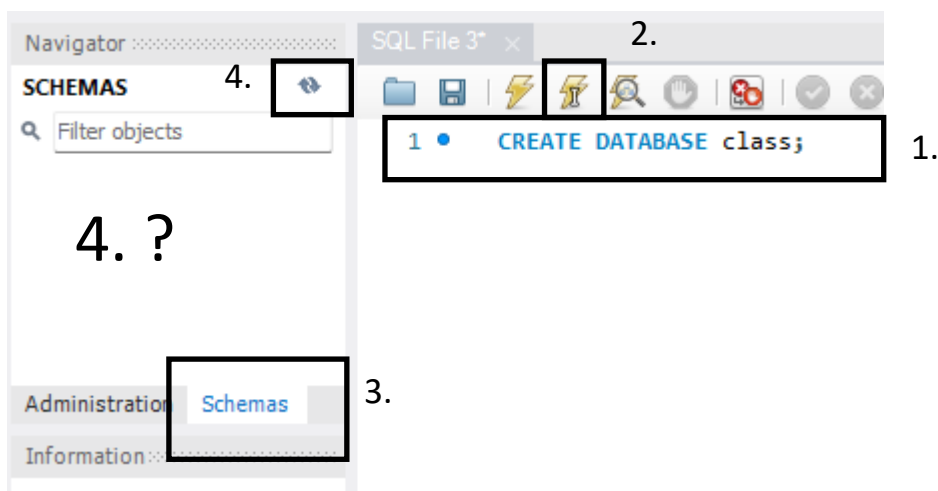
Start by opening a new SQL workspace.

It will then create a tab with a name such as SQL File X.

Creating a Database

Now to create a database.

1. Type the code below in the SQL file.
2. Then press the execute line button.
3. Then select schemas.
4. It may look as if nothing happened.
5. Press the refresh button in the schema view.



After the refresh you will find the database has been created.

Make sure refresh after every execution.

You've now created a database.

There is not much to see so far but we will expand on this in future worksheets.

Creating a Database

Challenges

Some extra tasks to help you understand other commands you can give the database.

Challenge 1 — Using a specific database

When you need to use a specific database you use the USE command. It is possible to do this manually but this is cumbersome when running many lines of SQL.

Work out on your own how to use the USE command.

USE ...

Challenge 2 — Drop the (data)base

You may find you have to completely get rid of a database. Be careful using the DROP command as it will destroy everything. Data, structure, tables, *everything*.

We use the DROP command to do this. Work out on your own how to use it to completely delete a database.

DROP ...

Challenge 3 — Now recreate the database as you will need it later.

CREATE ...