## Practical exercise: add a database to your jokes app

Based on the demo of basic database connectivity and querying covered in class, improve your jokes solution by getting your data from a database instead of a JSON file. Create a database with two tables. Add about 6 jokes to the jokes table and a couple of types to a types table.

Download mySQL server and workbench from <https://dev.mysql.com/downloads/mysql/8.0.html> if using Windows.

Follow the tutorial to create a database and tables using workbench.

Update your app server to connect to your database and return data using your existing endpoints.

You should see the data from the types table populate the types dropdown in the front end and the jokes setup and punchline returned from the jokes table and displayed in the same way it was previously.

You don’t need the tables to be related at this point as this is just an integration test, we will look at databases in a bit more detail later including forming relationships and referential integrity.