Database concepts - Lesson overview

Learning objectives:

- Understand the basic concepts of databases and relational database management systems.
- Know how to navigate a DBMS tool and how to use it to interact with the database.

Legend:
- ▶ Video
- ☰ Knowledge questions
- 📖 Slide deck
- 📑 Reference card
- ⚙ Walk-through

Lesson path:

- **Data structures** — 10 min / 5 min
- **What is a database?** — 10 min / 5 min
- **Relational database management systems** — 15 min / 5 min
- **Installing MySQL Workbench on Mac** — 5 min
- **Installing MySQL Workbench on Windows** — 4 min
- **Creating our first MySQL connection** — 4 min
- **Create a database and table using the GUI** — 5 min
- **Navigating MySQL Workbench**

Description

Databases play a critical role in **enabling** us to extract meaningful insight from data because they provide a **structured way to store, manage,** and **retrieve large amounts of data.**

In this lesson, we take a look at fundamental database concepts and explore how we can interact with databases using a database management system (DBMS).