

Optional Lesson Overview

Estimated time: 2 minutes

This optional lesson consists of hands-on labs that will equip you with the fundamentals of Db2, a powerful relational database management system from IBM.

Setting up and running database labs of Db2 requires specific software licenses that are not open source. This can be a cost barrier for individual learners and organizations with limited budgets. You should carefully consider your career goals and the job market in your region before investing significant time in learning DB2.

Through a series of practical exercises, you'll gain hands-on experience in:

1. Setting Up Your Db2 Environment:

- Acquire an IBM Cloud feature code and activate your trial account.
- Create a Db2 service instance, your personal database playground in the cloud.

2. Data Wrangling with Db2:

- Design and create database tables to store your information.
- Import and load real-world data into your tables, making Db2 your data repository.

3. Data Organization and Integrity:

- Explore the concept of database normalization, a technique to optimize data organization and minimize redundancy.
- Define primary and foreign keys to establish relationships between your tables, ensuring data consistency and integrity.

By the end of this lesson, you'll be comfortable navigating the Db2 console, manipulating data within tables, and understanding the crucial role of normalization and keys in maintaining a well-structured and reliable database.

Author: Shubhra Das



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