

Databases and SQL for Data Science with Python

IBM

Course Material

✓ Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Grades

Notes

Discussion Forums

Introduction to Relational Databases and Tables

(a) All videos completed (b) All readings completed (c) All graded assessments completed

In this module, you will explore the fundamental concepts behind databases, tables, and the relationships between them. You will then create an instance of a database, discover SQL statements that allow you to create and manipulate tables, and then practice them on your own live database.

∨ Show Learning Objectives

Introduction to Relational Databases and Tables



Relational Database Concepts

Types of SQL statements (DDL vs. DML)

Video • 2 min

CREATE TABLE Statement

Video • 4 min

ALTER, DROP, and Truncate tables

Examples to ALTER and TRUNCATE tables using MySQL

Ungraded Plugin • 15 min

Examples to CREATE and DROP tables

Ungraded Plugin • 15 min

Hands-on Lab: CREATE, ALTER, TRUNCATE, DROP

Ungraded App Item • 1h

Hands-on Lab: Create and Load Tables using SQL Scripts

Ungraded App Item • 1h

Practice Quiz

Practice Quiz • 5 questions

Optional: Hands-on labs with Db2



Optional Db2 Labs

Reading • 10 min

How to create a Database instance on Cloud

Video • 5 min

Obtain IBM Cloud Feature Code and Activate Trial Account

Ungraded App Item • 1h

(Optional) Hands-on Lab: Create Db2 service instance and Get

started with the Db2 console

Ungraded Plugin • 15 min

(Optional) Hands-on Lab: Create and Load Tables using SQL Scripts

(Optional)Hands-on Lab: CREATE, ALTER, TRUNCATE, DROP

Ungraded Plugin • 15 min

SQL Cheat Sheet: CREATE TABLE, ALTER, DROP, TRUNCATE

Ungraded Plugin • 15 min

Summary and module Assessment



Summary & Highlights

Graded Quiz: Relational DB Concepts and Tables

Graded Quiz • 3 questions • Grade: 100%

Let's set a weekly goal

Learners who set a goal are 75% more likely to complete the course. We'll help you track your progress.





