3 Working with relational databases in Python

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In this chapter, you'll learn how to extract meaningful data from relational databases, an essential element of any data scientist's toolkit. You will be learning about the relational model, creating SQL queries, filtering and ordering your SQL records, and advanced querying by JOINing database tables.

Introduction to relational databases	50 xp
Pop quiz: The relational model	50 xp
Creating a database engine in Python	50 xp
Creating a database engine	100 xp
What are the tables in the database?	100 xp
Querying relational databases in Python	50 xp
The Hello World of SQL Queries!	100 xp
Customizing the Hello World of SQL Queries	100 xp
Filtering your database records using SQL's WHERE	100 xp
Ordering your SQL records with ORDER BY	100 xp
Querying relational databases directly with pandas	50 xp
Pandas and The Hello World of SQL Queries!	100 xp
Pandas for more complex querying	100 xp
Advanced Querying: exploiting table relationships	50 xp
The power of SQL lies in relationships between tables: INNER JOIN	100 xp
Filtering your INNER JOIN	100 xp
Final Thoughts	50 xp