

Project Details

Query a Database

Learning Objectives

You are to query a relational database to extract desired information. Your SQL queries may include joins, aggregations, and subqueries. You are to submit your queries in a **TXT** or **SQL** file.

Business Scenario

You're a BI analyst for a wholesaler of various food products. You're in charge of putting together analytics dashboards for management. They have requested that you focus on one area of the business and pull data from their database that provides various summary statistics related to that area.

Select one of the following areas. Create a presentation with visualizations that provides high level summary information about that area.

- Customers
- Suppliers
- Products
- Employees

Database

If you are using DB Browser for SQLite:

- Watch this [video](#)
- Download [DB Browser for SQLite](#)
- Import the database file
- Navigate to and open the database. Spend a few moments to explore and understand the data.
- Write/test your queries

Additional Guidelines

- There shouldn't be any additional data prep (sorting, iterating, renaming, etc.) between the query output.
- All your six queries must include a join and an aggregation.

- At least one of your queries includes a subquery.
- Once finished, submit your queries as a **TXT** or SQL file.

Business Questions

1. Who are our top 10 customers and how much have they spent and ordered?
2. What are our top customers' favorite products?
3. Where are our customers mostly located, and how much is the total spend per country?
4. What are our top 10 most popular products?
5. Who are the suppliers for our most popular products?
6. Who are our top 15 best performed Employees?