**Employee Database**

I conducted a project on employees from the 1980s and 1990s.

Designed tables to hold data in the CSVs, imported the CSVs into a SQL database, and answered questions about the data. I performed the following:

1. Data Modeling
2. Data Engineering
3. Data Analysis

**Data Modeling**

Inspected the CSVs and sketched out an ERD of the tables using QuickDBD.

Graphical user interface, text

Description automatically generated

**Data Engineering**

* Created a table schema for each of the six CSV files and specified data types, primary keys, foreign keys, and other constraints.
* Imported each CSV file into the corresponding SQL table.

**Data Analysis**

After the database was completed, the following was completed:

1. List the following details of each employee: employee number, last name, first name, sex, and salary.
2. List first name, last name, and hire date for employees who were hired in 1986.
3. List the manager of each department with the following information: department number, department name, the manager's employee number, last name, first name.
4. List the department of each employee with the following information: employee number, last name, first name, and department name.
5. List all employees in the Sales department, including their employee number, last name, first name, and department name.
6. List all employees in the Sales and Development departments, including their employee number, last name, first name, and department name.
7. List the frequency count of employee last names (i.e., how many employees share each last name) in descending order.