



## Database

### ERD and Relational Schema

In a company, we have **employees**. Each employee has a **first name, last name, job title, salary, hire date, and a manager**. Every employee belongs to a **department**, and an employee can also be assigned to one or more **projects**.

Each **department** has a **unique ID, a name, and a manager**. The department operates in one or more **locations**.

The company runs multiple **projects**. Each project has a **name, a start date, an end date, and is managed by a specific department**. Employees can work on multiple projects, and each project can have multiple employees assigned.

Each **location** has a **unique ID, a city, and a country**. Departments are based in specific locations.

You are tasked with designing a database model for a company's Human Resources (HR) system. The system should manage employees, departments, projects, and locations. Your goal is to create an Entity-Relationship Diagram (ERD) and a Relational Schema that accurately represents this system.