



Different Types of Databases

Relational Database Design

Session Outline

- An explanation of the different types of databases
- What a relational database is

Two Types of Databases

- There are two main types of databases that are used in the IT industry
- Each have their pros and cons
- Each have their own special purpose

Relational Database

- Tables represent related sets of data
- Tables are linked together using relationships
- Designed for easy updates and additions and to remove duplicate data
- The main kind of database used in web sites, desktop applications and other applications

Relational Database

- We'll be learning about these in this course
- It may seem easy to put together a few tables
- Creating an effective and efficient database requires knowledge and planning

Data Warehouse

- Based around a large, central table with other linked tables
- Used for reporting
- Usually built from a relational database using a separate process
- Great for reading, not good for adding or updating

Data Warehouse

- Not being taught in this course
- There are separate theories and tactics to creating a data warehouse
- I'll be creating another course for this, so look out for that

Summary

- Relational database is the most common and is designed for adding and updating
- Data warehouses are designed for reading, and are not included in this course

What's Next?

- Advantages of a relational database