Store Data for Each Component

Relational Database Design

Session Outline

- One of the benefits of relational databases: storing data for each component

Relational Databases

- We’re going to look at some of the benefits of a relational database
- Why are we doing this? Can’t we just go and design it?
- Knowing the benefits will help us make a well-designed database
- Helps us with working out what to do

Database Purpose

- Remember, the purpose of a database is to store data
- A good database design will let you easily see what data is stored about different things
- Relational database design does this

Storing a Component

- Relational database design stores information in components
- These are stored in tables
- A table is a collection of data about a particular object

Examples

- Stores may have tables for
  - Products
  - Orders
  - Customers
- Schools may have tables for:
  - Teachers
  - Students
  - Subjects

Why?

- To be able to separate the information for each kind of object
- Easily able to report on it in the future
- Getting data from it is easier

How?

- Define what you want to store about an object
- Set up the table
- Add information to it

- We will cover this in a later lesson

Summary

- A relational database allows you to store information on different objects
- This makes it easier to read and update data

What's Next?

- A further look at some of the advantages of relational databases