

Topic 1: What is a Database?

Chapter 2: Database Concepts (Introduction) · Topic 1

Key Concept

Databases store information in an organised way, similar to a digital filing cabinet, making it easy to find and update data.

A database management system (DBMS) is software that helps create, manage, and interact with databases, like MySQL or Microsoft Access.

Databases are used everywhere, from storing student records in schools to managing customer information in businesses.

Understanding databases helps us see how large amounts of information are organised and accessed efficiently in the digital world.

Quick Revision Notes

- A database is an organised collection of data.
- It's stored electronically.
- A DBMS manages databases, like MySQL.
- Databases store and retrieve information efficiently.
- They're used for student records and business data.
- Databases organise data like a digital filing cabinet.
- They make finding and updating data easy.
- Understanding databases shows how information is organised digitally.

Practice Questions

- 1 Discuss an example of a database you might use.
- 2 Research what MySQL is used for.
- 3 Explain why databases are organised.
- 4 Discuss how a school might use a database.
- 5 List information you'd store in a personal database.
- 6 Compare a database to a physical filing system.