Basic Data Concepts:

Database Management Systems

Objectives

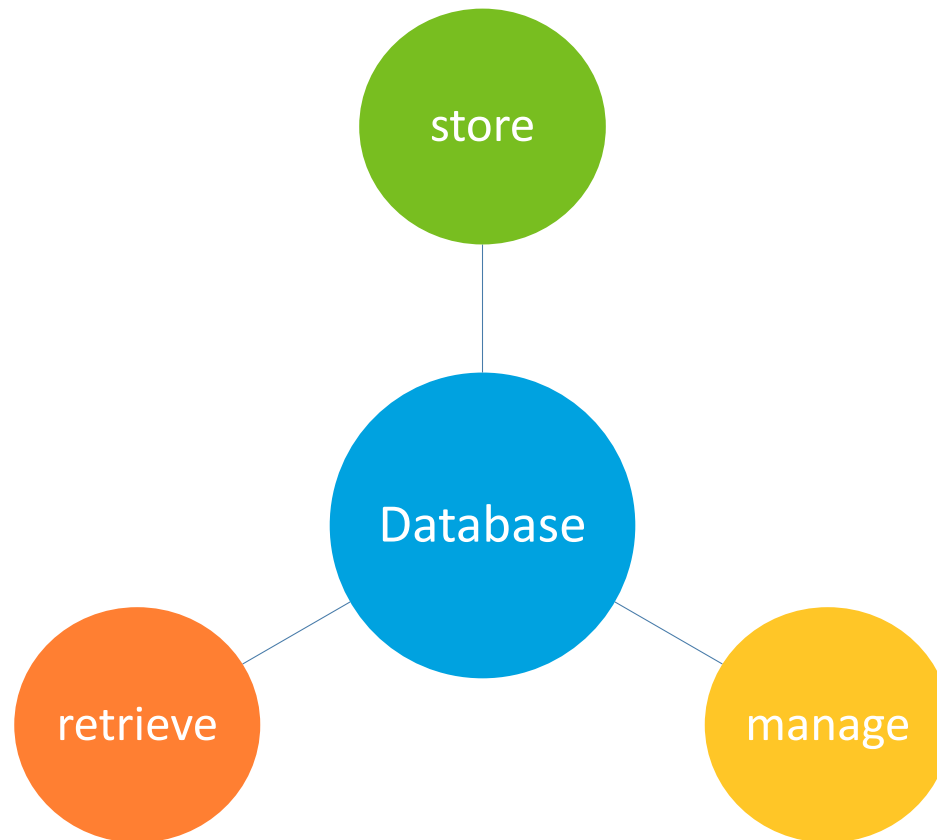Objective

Explain data models and data processing concepts.

What is a database?

A very large, integrated collection of data

Models real-world enterprise

- Entities (e.g., students, courses)
- Relationships (e.g., Mike is taking CSE 412)

Image course: Fotolia

What is a Database Management System?

Benefits of DBMS

- Data Independence

- Efficient Data Access

- Data Integrity and Security

- Data Administration

- Concurrent Access and Crash Recovery

- Reduced App Development Time