



Introduction to Databases

Database Management System (DBMS) provides....

... efficient, reliable, convenient, and safe
multi-user storage of and access to massive
amounts of persistent data.

- Massive
- Persistent
- Safe
- Multi-user
- Convenient
- Efficient
- Reliable

- Database applications may be programmed via “frameworks”
- DBMS may run in conjunction with “middleware”
- Data-intensive applications may not use DBMS at all

Key concepts

- Data model
- Schema versus data
- Data definition language (DDL)
- Data manipulation or query language (DML)

Key people

- DBMS implementer
- Database designer
- Database application developer
- Database administrator

**Whether you know it or not,
you're using a database every day**

