

- Types of Database and Database applications;

- Traditional database applications; stores textual or numeric information.
- Multimedia database; stores images, audio clips and video streams digitally.
- Geographic information systems (GIS); can store and analyze maps, weather data and satellite images.
- Data warehouses and online analytical processing (OLAP) systems; are used to Extract and analyze useful business information from very large databases to support decision making.
- Real-time database is a database system which uses real-time processing to handle workloads whose state is constantly changing.

Some Definitions:

- Database: A collection of related data.
- Data: Known facts that can be recorded and have an implicit meaning.

Examples: Mini-world as student grades at a university
Transaction

- Database management system (DBMS): A software package/system to facilitate the creation and maintenance of a computerized database.

- Database system: the DBMS software together with the database itself.
Some times, the applications are also included.

Database users

