

Introduction to Databases

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General Concepts

- Database definition
 - Organized collection of logically related data
- Data
 - Known facts
 - Types: text, graphics, images, sound, videos
- Database management system (DBMS)
 - Software package for defining and managing a database

Database Examples

- Class roster
- Hospital patients
- Literature (published articles in a certain field)
- Genomic information
- Protein structure
- Taxonomy
- Single nucleotide polymorphism