

DBMS
A Database Management System is a collection of programs that enables users to create, maintain and use a database.

DATABASE
Collection of related data that has been recorded, organized and made available for searching is called a Database.

DATA
Data is a collection of raw facts which have not been processed to reveal useful information.

DATABASE CONCEPTS

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DATABASE OPERATIONS

Defining the Database

Populating the Database

Manipulating the Database

Maintaining the Database

RELATIONAL DATABASE

Relational DBMS (RDBMS)

MySQL

TERMINOLOGY

- Domain
- Cardinality
- Degree
- Primary Key
- Candidate Key
- Alternate Key
- Foreign Key
- Relation
- Attribute
- Tuple

ADVANTAGES

LIMITATIONS

Improved Consistency

Reduction in Redundancy

User Friendly

Improved Availability

Improved Security

High Cost

Security and Recovery Overheads