

Introduction to Computer(01103)

lecture # 10

- TOPICS
- What is Data Base?
- What is Data Base Administrator?
- What is Data Base Management system?
- Characteristics of good DB?

Data Base

A database is a data structure that stores organized information. Most databases contain multiple tables, which may each include several different fields.

Example,

A company database may include tables for products, employees, and financial records.

- **Data Base Management System**
- Or DBMS
- A database management system (DBMS) is a software package designed to define, manipulate, retrieve and manage data in a database. A DBMS generally manipulates the data itself, the data format, field names, record structure and file structure. It also defines rules to validate and manipulate this data

- ◉ Continue....
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Characteristics of Database Management System

- Provides security and removes redundancy.
- Self-describing nature of a database system .
- Insulation between programs and data abstraction.
- Support of multiple views of the data.
- Sharing of data and multiuser transaction processing

● Table

A table is a collection of related data held in a table format within a database. It consists of columns and rows.

ROW IN A TABLE

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- **COLUMN**
- In a relational database , a column is a set of data values of a particular simple type, one value for each row of the database

- INSTRUCTOR ALIA MUNAWAR
- BEST OF LUCK