

01/04/2015

Data Base

(Lecture
1, 2)

Before online database management system,
we use file systems.
But file systems have some limitations:

- Data Redundancy
- Data Inconsistency
- Multi-User
- Data Isolation.
- No-relations b/w files
- Constraints.

Data base Systems:

In database, data entry occurs through forms.
We have forms having fields for data entry.

Example:-

Facebook Login
Page.

It is a form through
which our data is
stored to Facebook
database.

A hand-drawn diagram of a Facebook login form. At the top, it says 'facebook.com | Login' with a search icon, a user profile icon, and a menu icon. Below this are two input fields: 'Email' and 'Pass'. Underneath these are five more input fields: 'F. Name', 'L. Name', 'Email', 'Birthday', and 'Password'. At the bottom, there is a checkbox labeled 'Read the terms' and a 'Sign Up' button.

Tables:-

In Tables, we store our desired data in categorized form.

For example:-

We have a table of Students.

Column/Fields →

	First Name	Last Name	Passwords	cgpa	I.d
Records/→	—	—	—	—	01
Rows	—	—	—	—	02
	—	—	—	—	03

Query:-

Query means question / command or Order.

We use queries in database to call up something from tables.

DBMS:- (Database Management System)

→ SQL } Applications of DBMS.

→ Oracle

Example of Query for Student Table:-

Select First Name, Last Name, Marks } Query
From Student