

Introduction to Databases

1 DBMS

- DBMS - A software system that enables users to define/create/maintain/control the access to the DB
- Basic features of a DBMS
 - Data definition language (DDL)
 - * Allows users to define the database, specifying data types, structures and constraints
 - Data Manipulation language (DML)
 - * Allows users to insert/update/delete/retrieve data from the database
 - * Query language: the part of the DML that involves data retrieval
- The DBMS offers controlled access to the DB
 - security system
 - concurrency control
 - recovery control