

## BUSINESS INTELLIGENCE & DATABASE SYSTEMS TERMINOLOGIES

Database as a service (DaaS) - Accessed by client through network like cloud computing

Database Management Systems (DBMS) - Interface between the database and the user

DBMS - Used to create one or more tables

Entity Class - Representing a row and a generalized class of people, place or thing

Entity-relationship diagram - Graphical symbols to show data

Field (column) - Stores a different element of data

flat file - Records with no relationships to others

joining - Combines two or more tables

linking - Combines two or more tables that share at least one common data

Logical design - Abstract model of data that needs to be structured

OLAP - Software that can explore data in multiple perspectives

Physical design - Logical database with cost considerations

Primary key - Field or set of fields that uniquely identifies the record

projecting - Eliminates columns

Record (row) - Data for one item, person or transaction

relational database model - Describes data using a standard tabular format

relationship database - Organized data into multiple tables

selecting - Eliminating and picking rows

single user - One person can use it at a time

SQL - From - Specify table

SQL - Select - Specify attribute

SQL - Where - Specify the condition

Structured query language (SQL) - Standard language for relational databases

Traditional approach - Data files dedicated to each system

Attribute - Characteristic of an entity

Business Intelligence (BI) - Transform raw data into useful information

concurrency control - Two or more people attempting to access the same record at the same time

data center - Data servers in a building that is climate controlled