

LU02.A01 - Solutions to DBS, DBMS and DB

1. TRUE or FALSE: DBMS = DBS and DB?

- **FALSE**, the second equation is correct: $DBS = DBMS \text{ and } DB!$

2. TRUE or FALSE: DBS = DBMS and DB!

- **TRUE**.
- A database system such as Oracle or MySQL consists of the data, stored in tables, and the database management system, that manages the data.

3. What is the purpose of the DBMS? Give an example.

- The DBMS is a piece of software that manages the data.
- It consists of pre-programmed functions, that help managing the data.
- Without the DBMS companies such as Zalando or Digitech would not be able to store goods or deliver them to their customers.

4. What is stored in the DB? How is it stored? Give an example?

- In databases basically the data is stored in tables that are linked to each other.
- This is done to avoid unintentional redundancies within the database.
- Each table (entity type: e.g. persons) is composed of columns (attributes: e.g. name, birthdate) and rows (entities: e.g. Max Müller, 12.11.1989)

Vocabulary

English	German
respectively	beziehungsweise
attribute	Eigenschaft
entity type	Einheiten Typ
entity	Einheit, Wesen



Volkan Demir

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