LU03.L01 - Choose data-types

Task a) Choose datatypes

Which datatype would you use to store the following information? Give reason for your decision.

- product-title like trousers up to 50 characters:
  - VARCHAR(50)
  - Titles can be at the most 50 characters. A fix length makes not sense in that case.
- product-description up to 255 characters:
- VARCHAR(255)
- The description can be 255 characters, but can also be shorter. A fix length does not make sense in that case.
- stock amount:
  - INT or INTEGER
  - Floating point type is not suitable as pieces are always counted in whole numbers.
- price of each piece:
  - FLOAT(5,2) or DECIMAL(U5,2)
  - Prices have floating point
  - The length of (5,2) should be sufficient enough as trousers are usually within a price ranger of 0.99 to 999.99.
- order date:
  - DATE or DATETIME
  - The type depends on whether we want to safe only the date, but also the time.
  - Usually in such cases to store only the order-date is enough.
- date of delivery:
  - DATETIME or TIMESTAMP
  - Regarding delivery quality the criteria punctuality might be one key element. Therefore the storage of the delivery-time is compulsory.

* whether organical or not:

- BOOLEAN
- As there a only two possibilites to store a boolean data-type is the correct data-type.
- usage category with only one character:
  - As long as there is only one character to be stored the CHAR-type will work.
  - Technically the CHAR-types allows all letters, digits (as letters) and special characters.

Solution

Lösung

Vocabulary

English	German
respectively	beziehungsweise

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