

# 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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