

# 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. \*
- 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:
  - `DATETIME` or `TIMESTAMP` \* The type depends on whether we want to safe only the date, but also the time. \* Important is, that the in this case the storage of the current time. \* date of delivery: \* whether organical or not: \* `BOOLEAN`
  - As there a only two posibilites to store a boolan 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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