



Marcus Pinnecke, M.Sc.
Prof. Dr. Gunter Saake

Advanced Topics in Databases
Database and Software Engineering Working Group
Exercise Sheet 10

Magdeburg, June 24th 2019

Summer Term 2019

**A Gentle Introduction to Document Stores
and Querying with the SQL/JSON Path
Language**

This is a one-week per-student sheet.

Prepare to present details of your solution
during the tutorial.

Good Luck!

Task 6 Semi-Structure for a Structured Query Language

2 (2) Points

SQL is the de-facto industry standard for the lingua franca of (relational) database systems. In its last 45 years of existence, SQL evolved heavily. By the latest standard SQL:2016, support for JSON data was added to the language **[Group 17]**.

1. Consider the groups of new functionality in SQL: *validation, construction, querying* functionality and the *SQL/JSON Path Language*. For each group, sketch roughly its purpose in your own word.