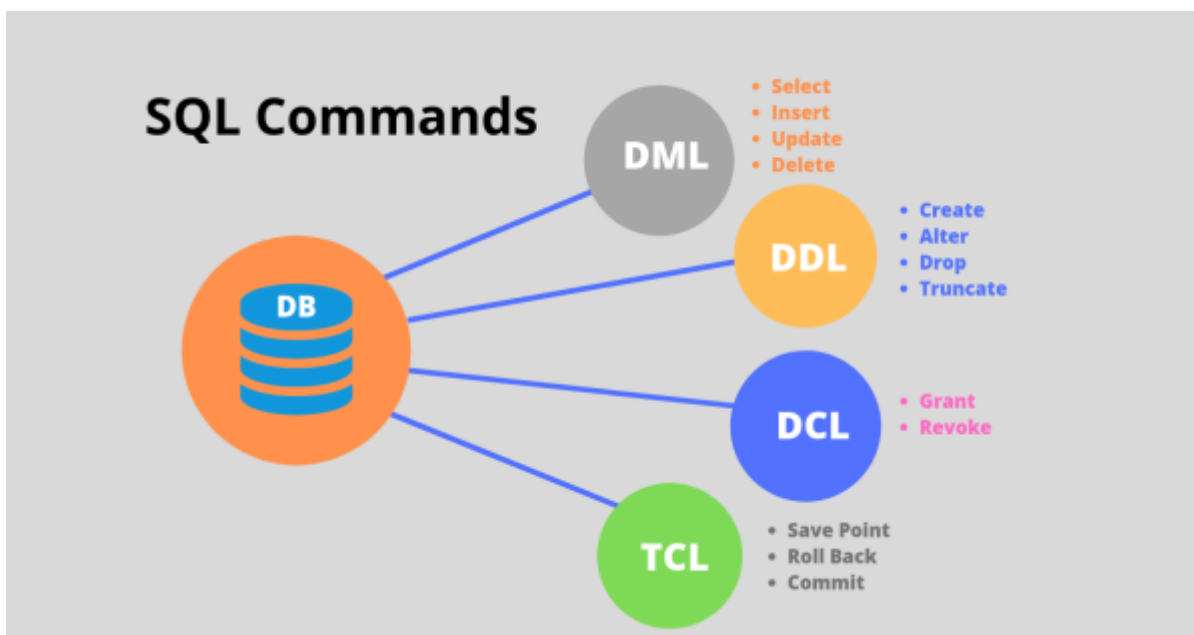


# LU02c - SQL

SQL (Structured Query Language) is a standard language for managing and manipulating relational databases. It provides a set of commands for defining, querying, manipulating, and controlling data.

In detail, SQL consists of four sub-languages, each of which is responsible for one specific set of operations:

- **DDL = Data Definition Language:** DDL commands are used to create, modify, and delete database structures, e.g. to create database instances and tables, to alter table structures or to drop databases and tables.
- **DQL = Data Query Language:** DQL commands are used to retrieve data from the database, e.g. to select table contents with and without filters and in a specific order.
- **DML = Data Manipulation Language:** DML commands are used to insert, update and delete data in tables. DML commands are therefore used to manage table content: to insert new content or to update and delete using certain filters.
- **DCL = Data Control Language:** DCL commands are used to control access to the database. This includes the management of authorisations and the administration of user profiles. The central questions here are: „Which user is allowed to access which database object?“



## Vocabulary

| English        | German               |
|----------------|----------------------|
| to provide     | bereitstellen        |
| to query       | (an-)fragen          |
| to consists of | bestehen aus         |
| instance       | Exemplar, Komponente |
| to alter       | verändern            |
| therefore      | daher                |
| to access      | zugreifen            |

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| English          | German |
|------------------|--------|
| to be allowed to | darf   |

## M290-LU02



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