

# SQL DDL und DML

## DEMO

```
CREATE TABLE T (  
    TID INTEGER PRIMARY KEY AUTOINCREMENT,  
    W TEXT DEFAULT 'blabla',  
    R REAL,  
    B BLOB,  
    UID INTEGER UNIQUE,  
    D INTEGER CHECK ( D >= 19000101),  
    DIM INTEGER CHECK ( DIM >= 0),  
    K INTEGER CHECK ( K >= 0 AND K <= 100 * DIM ),  
    FOREIGN KEY ( W ) REFERENCES B ( BID ) ON DELETE CASCADE ,  
    FOREIGN KEY ( UID ) REFERENCES U ( UID ) ON DELETE RESTRICT  
);
```

```
ALTER TABLE T  
    ADD TR INTEGER DEFAULT NULL REFERENCES B ( BID ) ON DELETE SET NULL;
```

```
ALTER TABLE Tabelle  
    DROP/ALTER COLUMN Spaltenname
```

```
INSERT INTO Training (Wer, UebungsID, Datum, VALUES  
    ("3", "103", "20240326", "60", "100"),  
    ("1", "102", "20240326", "60", "350");
```

## ON DELETE

- NO ACTION
- SET DEFAULT
- SET NULL
- CASCADE
- RESTRICT

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