

47KIDS004 Data Storages 4 ECTS

Learning outcomes

Students will be able to

- execute database queries and data updates using the SQL language
- understand the basic principles of normalisation and operate accordingly
- maintain databases
- explain the basic principles of transactions
- explain the importance of data security in data management
- describe XML, object-relational and NoSQL database types

Contents

The basic principles of relational databases, the basic principles of the conceptual schema and its use in database design, the SQL language, the tasks of a database management system, normalisation, transactions, other database types

Prerequisites

Introduction to programming

Delivery and assessment

In-class or online learning, learning assignments and an exam.

Assessment 1-5

Learning materials

Materials specified/provided by the lecturer