Database Systems

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Reference Textbook

G. Saake; K. Sattler; A. Heuer: Datenbanken — Konzepte und Sprachen

5th Edition, mitp-Verlag, 2013 (only available in German)
Overview

1. What are Databases – Basic Concepts
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2. Relational Databases – Data as Tables
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4. Relational DB Design and Design Theory
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8. Views and Access Control
9. Application Programming
10. Data Exchange Using XML
Organisational: Magdeburg

- Lecturer: Gunter Saake (Office: 29-110, email: saake@ovgu.de)
- Office hours: probably Fridays 10:30
- Examination:
  - Written exam (120min)
  - Prerequisites: fulfill exercise participation requirements
Organisational: Magdeburg – Exercises

- Exercise instructor: Sebastian Dorok
- Accompanying exercises (see exercise plan):
  - Starting from second week of lectures
  - Vote for 60% of all exercises and present 4 solutions
  - Last 2 exercises are practical (SQL)
- Possibility to use SQLValidator
  - Passphrase: db1-20142015
Further Literature

G. Vossen.
*Datenbankmodelle, Datenbanksprachen und Datenbankmanagement-Systeme.*
5. Auflage, Oldenbourg-Verlag, München, 2008

R. Elmasri, S.B. Navathe.
*Fundamentals of Database Systems.*

A. Kemper, A. Eickler.
*Datenbanksysteme. Eine Einführung.*
7. Auflage, Oldenbourg-Verlag, München, 2009

A. Heuer, G. Saake, K. Sattler.
*Datenbanken kompakt*
2. Aufl., mitp-Verlag, Bonn, August 2003

G. Lausen.
*Datenbanken – Grundlagen und XML-Technologien*
Spektrum Akademischer Verlag, 2005