ifis
Institut für Informationssysteme
Technische Universität Braunschweig

Exercises for DW & DM

Sheet 2 (until 16.04.2008)

Please note that you need **50%** of all exercise points to be admitted for the final exams. Exercises have to be turned in until **Thursday** before the next lecture and should be completed in teams of two students each. Write both names and "Matrikelnummer" on each page. If you have multiple pages, staple them together! Please hand in your solutions on **paper** into the mailbox at the IFIS floor or to our secretary (Mühlenpfordtstraße 23, 2nd floor). You may answer in either German or English.

Exercise 1   (10P)
1. What is an index?   (2P)
2. What are indexes useful for?   (2P)
3. Which differences are there (if any) between primary and secondary indexes?   (3P)
4. What are "multilevel ordered indexes" and why are they useful in DW? (consult the RDB2 slides or the web)   (3P)

Exercise 2   (8P)
1. Briefly present the basic architecture of DWs.   (5P)
2. What is a MDB?   (2P)
3. When are MDBs in-appropriate?   (1P)

Exercise 3   (8P)
1. What is a thin client?   (1P)
2. What is the "Generic Three-Tier Architecture"   (3P)
3. What are "technologically distributed" DW?   (1P)
4. What is middleware?   (1P)
5. Why is middleware important?   (2P)