Introduction to Databases

Homework 2

This set of exercises will be helpful in preparing for the exams. They are intended to encourage you to become familiar with the relational approach to high-level database design.

The textbook exercises are given at the end of the section of interest.

1. Basic Relational Model: Textbook exercise 2.2.1
2. ER to Relational: Textbook exercise 4.5.1
3. ER to Relational: Textbook exercise 4.5.3
4. Functional Dependencies: Textbook exercise 3.1.1
5. Functional Dependencies: Textbook exercise 3.2.1
6. Normalization to BCNF: Textbook exercise 3.3.1(a) and (b)
7. Normalization to 3NF: Textbook exercise 3.5.1 (for (a) and (b) from 3.3.1)
8. Multivalued Dependencies: Textbook exercise 3.6.3 (a) and (b)