CS 448 – Homework #1 Due: 01/23/2018


The questions are of the same number in their corresponding chapter of each edition.

1. (1.3) (1/2 pts)

1.3. Discuss the main characteristics of the database approach and how it differs from traditional file systems.

2. (1.6) (1/2 pts)

1.6. Discuss the capabilities that should be provided by a DBMS.

3. (1.12) (1/2 pts)

1.12. Cite some examples of integrity constraints that you think can apply to the database shown in Figure 1.2.

4. (2.3) (1/2 pts)

2.3. What is the difference between a database schema and a database state?

5. (2.5) (1/2 pts)

2.5. What is the difference between logical data independence and physical data independence? Which one is harder to achieve? Why?

6. (2.6) (1/2 pts)

2.6. What is the difference between procedural and nonprocedural DMLs?