

Purdue University  
Computer Science Department  
CS 448: Introduction to Database Systems()  
Prof: Bharat Bhargava

**CS 448 – Homework #1** Due 1/24/2014

Reference: Fundamentals of Database Systems by Elmasri&Navathe, 5th Edition (difference to the 6th edition is listed).

1. (1.3)
2. (1.6)
3. (1.12)
4. (2.3)
5. (2.5)
6. (2.6)
7. (3.5) Explain the difference between an attribute and a value set.
8. What is the advantage of hierarchical model over relational model?
9. What is the advantage of network model over relational model?
10. (5.2) Why are tuples in a relation not ordered?
11. (5.3) Why are duplicate tuples not allowed in a relation?
12. (5.6) Discuss the characteristics of relations that make them different from ordinary tables and files.