Notes from Bharat Bhargava

Final examination notes

Preparing for final examination

Please read Midterm Notes under Readings link

Final examination is comprehensive and has questions from all the chapters but many more questions are from material covered after midterm.

Chapter 14 , 14.1, 14.2, 14.3, 14.4, 14.5 (pages 459-491)

Chapter 15, 15.1, 15.2, 15.3, 15.4 (pages 503-527)

Chapter 16 (basic and general background information about disks (pages 541-553)

Chapter 18 and 19 (very basic and general information about query optimization but more from

Chapter 19, 19.1 (pages 691-699)

Chapter 20, 20.1, 20.2, 20.3, 20.4, 20.5 (pages 745-770)

Chapter 21, 21.1, 21.2, 21.4, 21.5 (pages 781-794 and 798-801)

Chapter 22, 22.1, 22.2, 22.3, 22.4 (pages 813-826)

Material from slides under chapter 21, and 19 and under other handouts such as

Secure Data Warehouse (slides)

Handout on Natural and Outer Joins & Relational Calculus

Normalization and lossless joins and FD preservations

Relational Algebra Tree-Optimizations

And under Concurrency control

- 2PL and conflict graph
- Locking-Serializability
- Optimistic-time stamps-Failure-Commitment

I will discuss sample questions in class on December 5th (Tuesday)

There is no class on Thursday (to give you free time due to evening examination)

I am trying to create some multiple choice questions

In final exam please answer questions using bullets for each idea (instead of writing long paragraph)

Please go over home works, some review questions at the end of chapters and learn about bold terms in every section.

You all are doing great in home works and I am sure you will do well in final. I will be flexible in accommodating grades for border cases.