Preparing for midterm

under

<https://www.cs.purdue.edu/homes/bb/cs448f24/handouts.html>

see

Relational Algebra, Normalization and SQL

* Relational Algebra - Tree Optimizations ([pdf](https://www.cs.purdue.edu/homes/bb/cs448f24/handouts/other/201402121319.pdf))

Handout on Natural and Outer Joins & Relational Calculus ([pdf](https://www.cs.purdue.edu/homes/bb/CS348-F13/other_handouts/relcalculus.pdf))

Will cover relational calculus later

 SQL Questions & Answers ([pdf](https://www.cs.purdue.edu/homes/bb/cs448f24/handouts/other/sql_tutorial_questions_spr14.pdf))

 [SQL Tutorial Questions and Answers](https://www.cs.purdue.edu/homes/bb/cs448_Spring2014/sql_tutorial_spr14.pdf)

Pelin will do a zoom session at 9am on Thursday ( Li will record and post it for you) But join if you can tomorrow to learn

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Lixiang Li is inviting you to a scheduled Zoom meeting On Thursday October 3 at 9am.

Prof Pelin Angin will talk about SQL queries and tutorial.

Join Zoom Meeting

[https://purdue-edu.zoom.us/j/98483015037?pwd=JFDSbcp1K71nLs2Dte2ibOlGZ6rttl.1](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fpurdue-edu.zoom.us%2Fj%2F98483015037%3Fpwd%3DJFDSbcp1K71nLs2Dte2ibOlGZ6rttl.1&data=05%7C02%7Cbbshail%40purdue.edu%7Ce12902aadcc64416c1d208dce30bbaab%7C4130bd397c53419cb1e58758d6d63f21%7C0%7C0%7C638634886722475596%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=RUkySVvhE%2BSrdt5aC7GwrFjypg6cWk3SlJd5WKB7lt8%3D&reserved=0)

Meeting ID: 984 8301 5037

Passcode: 052542

One tap mobile

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+16465588656,,98483015037#,,,,\*052542# US (New York)

please read material in book related to slides

14-8 to 14-26

This material will be covered in detail on Friday

It talks about functional dependencies, insertion, deletion, update anomalies.

This is part of logical database design and designing relations whose attributes have relationships.

Please come to class on Friday and next Wednesday.

The questions on this topic of FDs and relational algebra( various joins), SQL and optimization using tree are included in midterm.

There will be some multiple-choice questions

Also please read examples in

<https://www.cs.purdue.edu/homes/bb/cs448f24/syllabus/ch17-examples.pdf>

given in book chapter 17 page 605, 606, 609 etc.

There will be some questions about disc block accesses that are needed for a large file.