

CPSC 5021 Database Systems Fall 2017

Final Exam Review

Final Exam is on Thursday, Dec 7, 6:00 – 7:50 pm.

Primary list of topics

- Normalization of database Tables
 - 1NF
 - 2NF
 - 3NF
- SQL
 - Create table, drop table
 - Create index, drop index
 - Alter table structures
 - Insert
 - Select (e.g. using where clause, using logical operators, special operators, sort, list unique values, group data, subquery)
 - Update
 - Delete
 - Join (Cartesian product, natural join, outer join, left join, right join)
- View
 - Difference between a view and a table
 - Create a view
 - Alter a view
- Trigger
 - Create a trigger
 - Three kinds of trigger events (insert, update, delete)
 - OLD and NEW keywords
- Stored Procedure
 - Create a stored procedure and invoke the procedure
 - IN, OUT, INOUT parameters
 - IF
 - CASE
 - LOOP

Exam Logistics

- The exam is closed book and notes except for one 8.5” x 11” sheet of notes (both sides).
- Calculators and other electronic equipment such as laptops, PDAs, and cell phones are not permitted.
- The exam will start promptly at 6:00 pm. Extra time will not be given for students who arrive late.
- There will be five or six questions of varying difficulty and length (though some will have multiple parts). The questions are not in any particular order with respect to difficulty.