Session 2: Overview

**Content:**

**Review Relational model, relational algebra and SQL**

Most resent DBMSs are implementation of the Relational Model, so it is very important to have a good knowledge of relational databases.

SQL is by far the dominant languages for manipulating databases, so the relational model and SQL are important topics. In this session we start to investigate how the relational model is implemented in SQL

**Intended Learning Outcome:**

* Can explain the concepts in the relational model
* Can explain the constraints in the relational model
* Know the relational algebra
* Can create a database with tables and constraints in SQL using scripts.
* Can populate the database using insert scripts.
* Can do SQL queries and updates on the database.

**Readings:**

Elmasri: Chap. 5, 6, 8.1, 8.2, 8.3.1, 8.3.2 + overview p. 288

Exercises:

Can be found in the power points.