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ILC Database Theory/Security

Week 9 Progress Report

3/13/2023

My goal is to study Database Theories and Security through the book Translucent Databases. Some additional smaller goals I am trying to accomplish are doing my work this quarter with docker containers and If time allows study a bit about document-oriented databases.

Unfortunately I did not make as much progress as I had planned to for Translucent Databases. I did do some research and practice in running scripts in mysql, connecting to remote database servers. As well as how to achieve this through a java program. Other then databases this week I spent a lot of time trying to understand the RSA algorithm, specifically how to pick values for e and d. I also studied singular value decomposition, and what some of the different components to this algorithm mean. Finally I learned to create type synonyms in Haskell, and what the difference is when you declare a type using the ‘type’ keyword and ‘data’ keyword.