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HW1 – Multithreaded Programming

Coarse-Grained Locking

For coarse-grained locking, I created and statically initialized a mutex (db_mutex) to lock the entire database. In the interpret_command() method, before any thread could actually handle the database (via a query, add, or xremove command) it had to acquire the lock to the database. This way, only one thread could be accessing the database at a time.