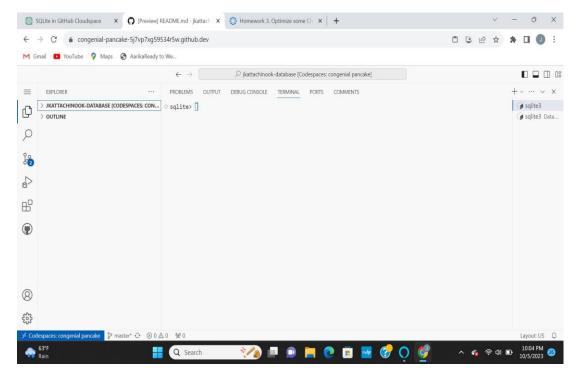
Homework-3

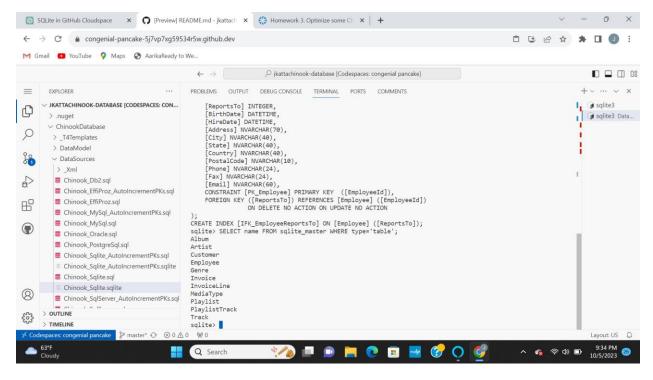
Optimize some Chinook queries

1.Get the Chinook database running on your workspace, whether in your codespace or on your computer. Use the SQLite version. You have several options there.

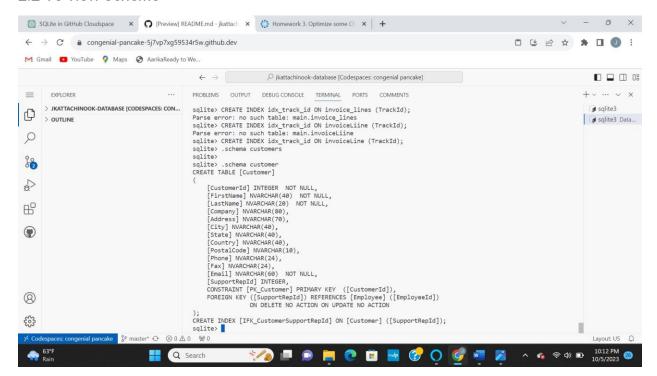


2. Try some queries to verify that the tables and relations are working.

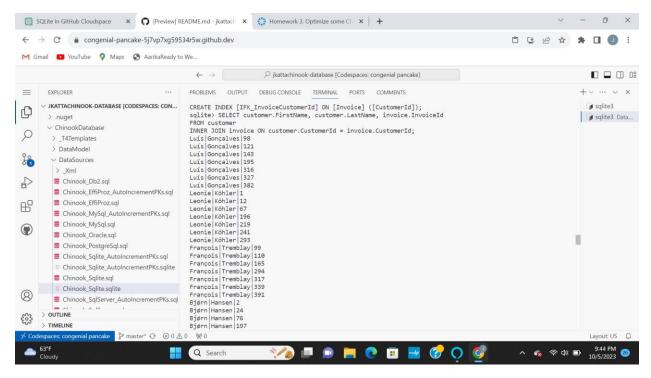
2.1 To list all tables



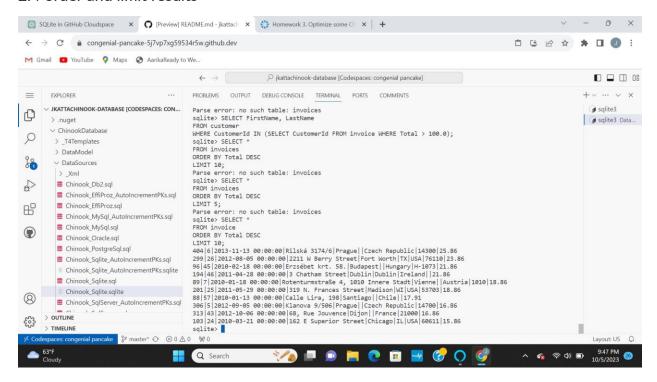
2.2 To view Scheme



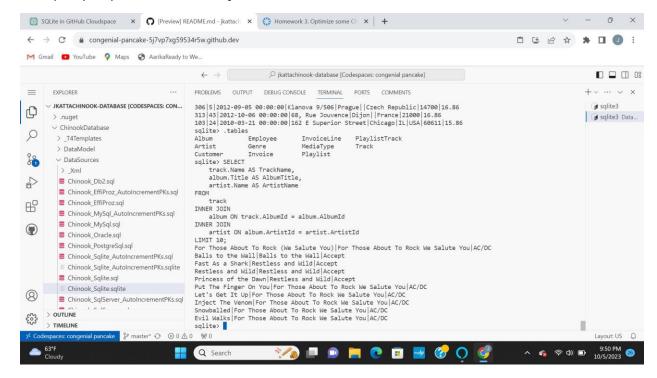
2.3 Join Tables



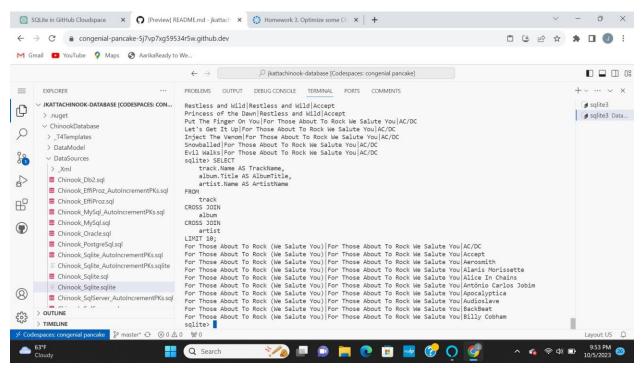
2.4 order and limit results



3. Try a query statement that joins across at least three tables.



4. Try to create a query statement that does the join using _unindexed_ records for all joins.



5. Find a way to time the query from #4 using tools available. Find the average of 10 queries. Vary the details a bit to avoid cache effects.

One way to time query is. timer ON

Average of 10 queries = 0.0005

6. Create some index capabilities for the tables that will speed up the queries.

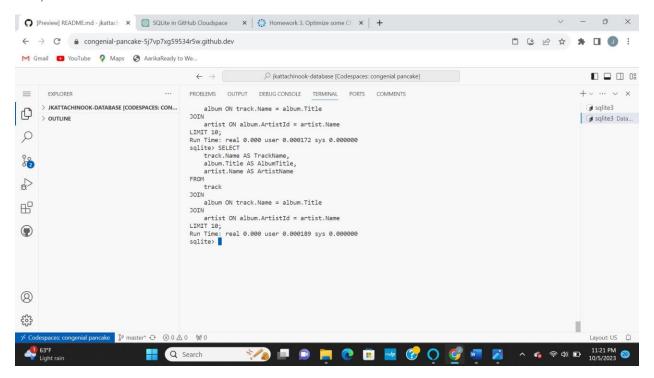
I have created 2 Index capabilities they are

CREATE INDEX idx_media_type_id ON media_types (MediaTypeId);

CREATE INDEX idx_genre_id ON genres (Genreld);

7. Time the queries again, to see if the effect worked.

Yes, There is an effect it went from 0.001 to 0.000



8. Look at the query plan to make sure the index capabilities are being used.

