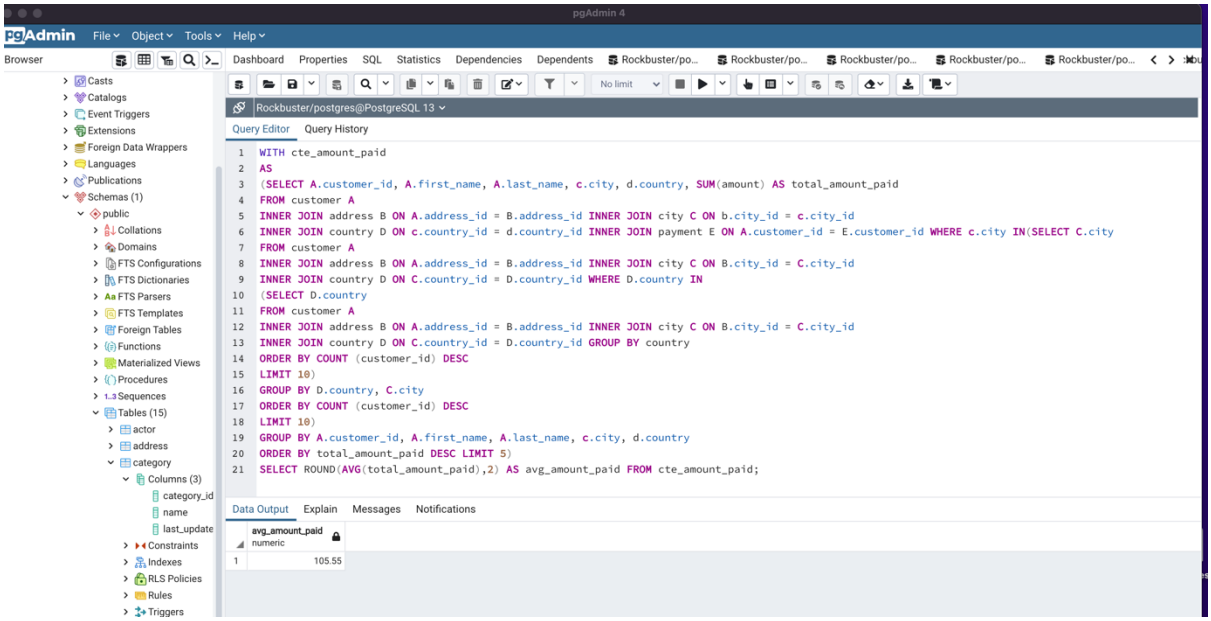
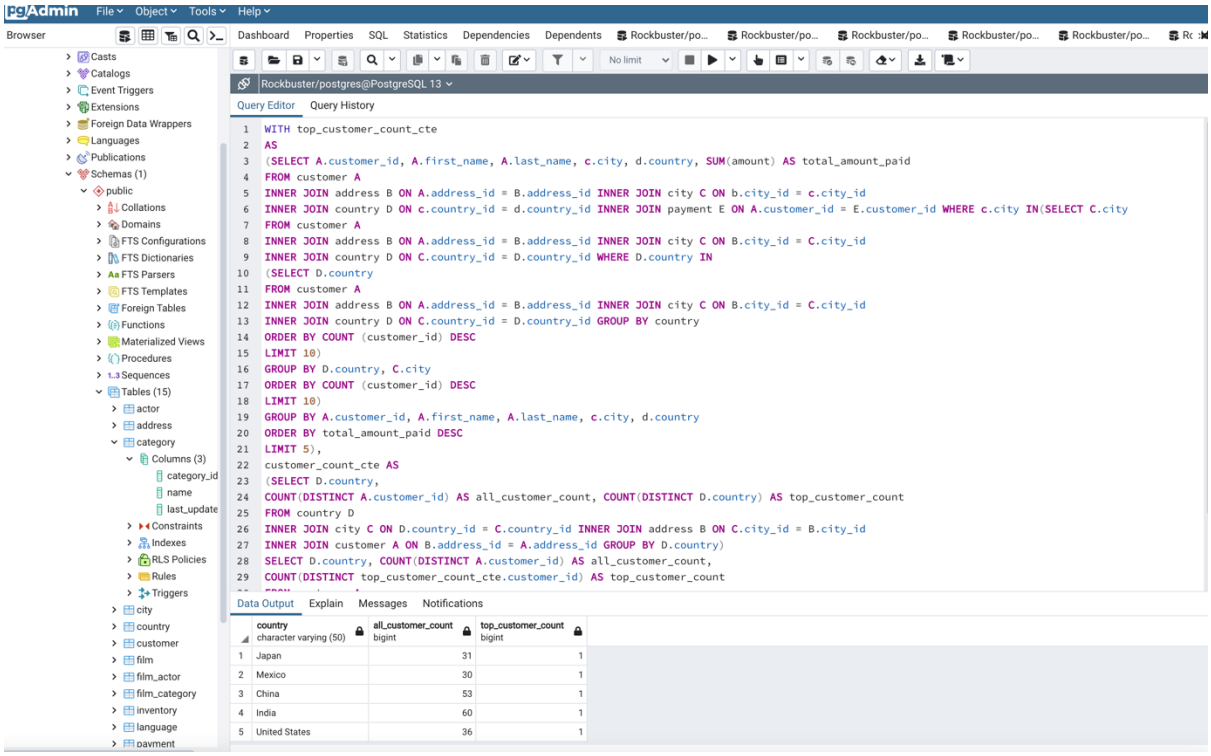
TASK_9_Common Table Expressions

Step 1: Answer the business questions from step 1 and 2 of task 3.8 using CTEs



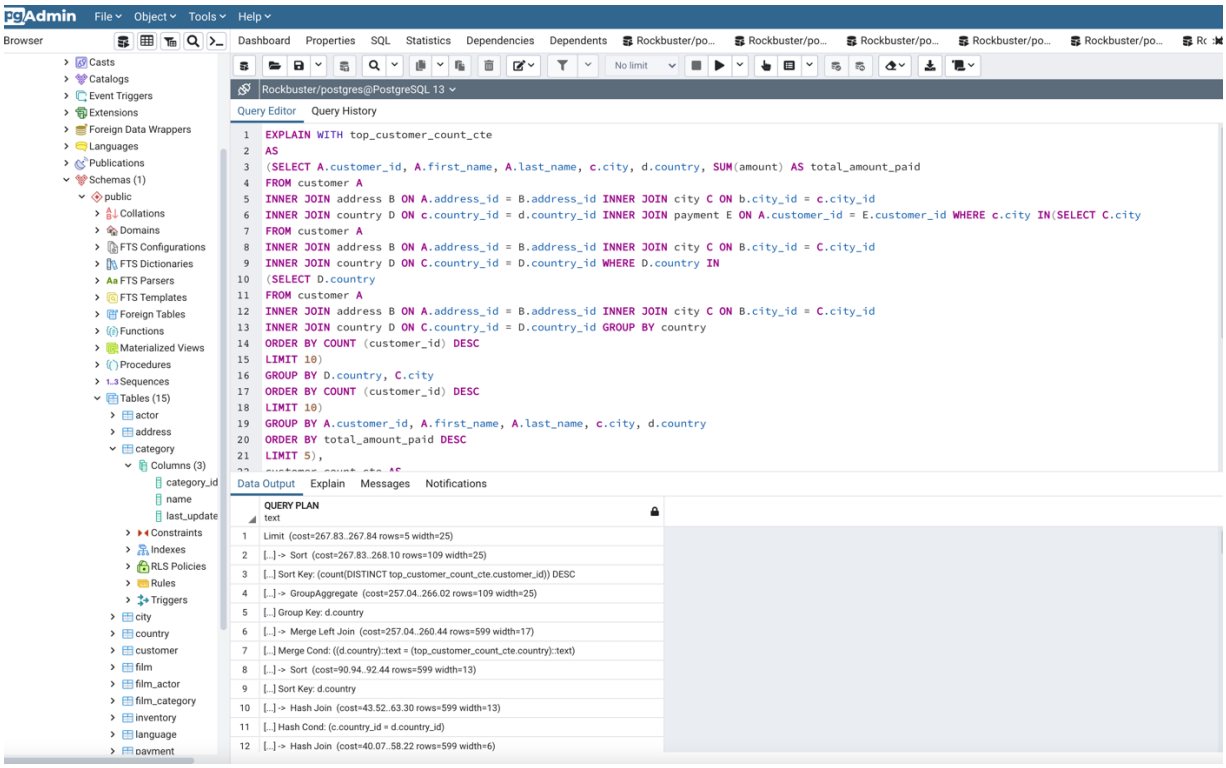


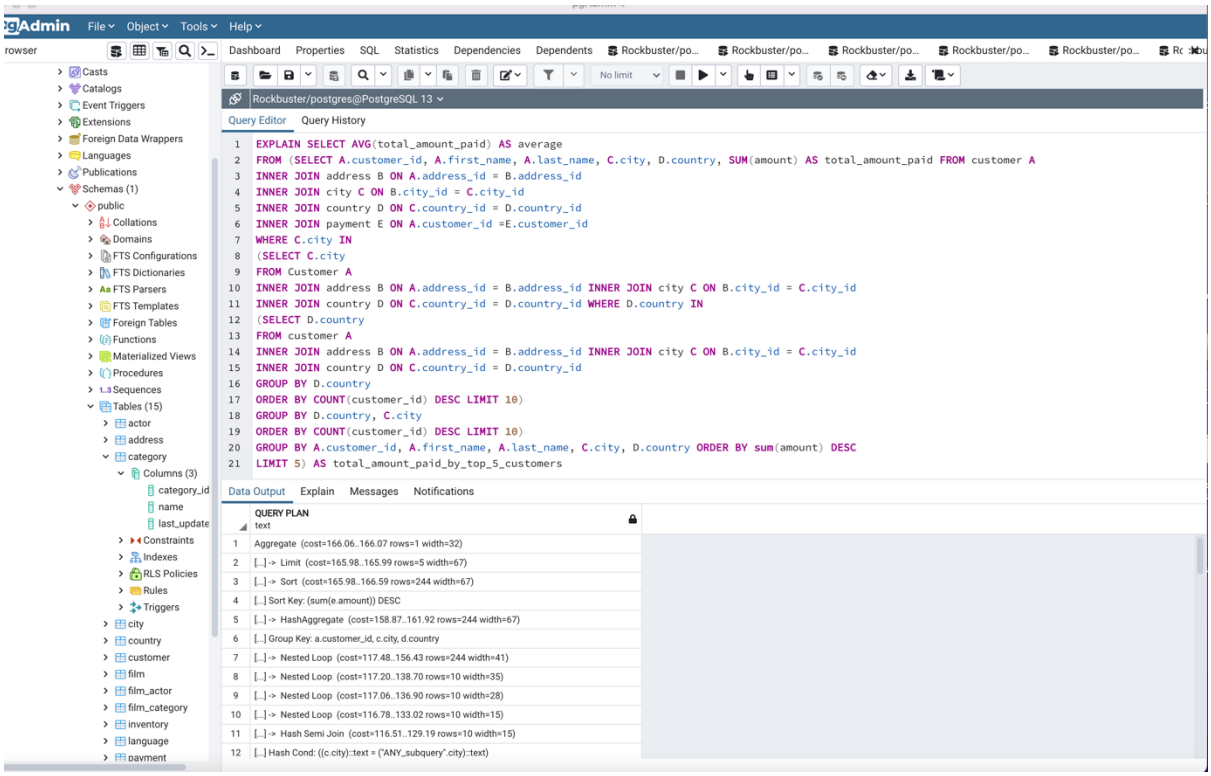
First, I started to write the query using WITH clause. Then I removed the outer query from subquery statement from Task 3.8. Then I copied the subquery and pasted for new Task.

Step 2: Compare the performance of your CTEs and subqueries.

1. Which approach do you think will perform better and why?

Because of better readability, it is easier to understand the query using CTEs. For me using CTE perform better.





1. Did the results surprise you? Write a few sentences to explain your answer.

It was surprising to see that, the subquery (39 msec) was faster than CTE (41msec). Even the time difference was not enormous, that was surprising for me.

Step 3:

Write 1 to 2 paragraphs on the challenges you faced when replacing your subqueries with CTEs.

In the first Task, using CTE was easy and straightforward. However, in Step 2 I had to thank about a lot for the modification. Due to complexity of Step 2, I had to dive deeper to where the columns to be extracted. Practice makes the master (; .