3.9 Answers

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A screenshot of a computer program

Description automatically generated

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Created a table called total\_amount\_paid\_cte and added a WITH script, followed by subqueries and added the AS to produce the CTE. Had the same results from the previous exercise.

CTE and subqueries seem alike. Curious to see how much each query costs and how fast it runs. I believe subqueries will be faster.

CTE

|  |  |
| --- | --- |
| Top 5 customers in each country | "Sort (cost=142.90..142.99 rows=36 width=25)" |
| Average paid top 5 customers | "Aggregate (cost=70.14..70.15 rows=1 width=32)" |

Subquery

|  |  |
| --- | --- |
| Top 5 customers in each country | "Aggregate (cost=70.14..70.15 rows=1 width=32)" |
| Average paid top 5 customers | "Sort (cost=142.90..142.99 rows=36 width=25)" |

It seems that both are relatively fast. They both have fast parts being as subqueries are faster but I think CTE’s are easier and clearer than subqueries as I watch more videos on them.

I found replacing the subqueries with CTE’s to be slightly difficult but not as bad as I initially believed after watching some more in-depth videos. People were not kidding when they said SQL is basically a different language. I still feel as if excel is easier to handle because I’ve used it for years but I’m sure after using SQL for 10 years I would feel as if it was easier. Learning something new almost always has a rough patch.