SMonson

CTE Answers 3.9

1.

Step 1 written with CTE

Graphical user interface, text, application, email

Description automatically generated

Step 2 written with CTE

Graphical user interface, text, application

Description automatically generated

Step 1 run time with CTE

Graphical user interface, text, application, email

Description automatically generated

Step 1 Run time 3.8 task

Graphical user interface, text, application, email

Description automatically generated

Step 2 CTE run timeGraphical user interface, text, application

Description automatically generated

Run time step 2 Task 3.8

Graphical user interface, text, application

Description automatically generated

3.9 Step 2

A. I thought the CTE would be noticeably faster as the temporary set would have the data more available for the main query.

B. The cost for 1 in 3.8 was 38 msec and CTE was 36 msec, for 2 the cost for 3.8 was 51 msec and CTE was 49 msec. Not much of a difference for either.

C. The explain numbers were a bit higher than the actual run times (54 vs 51 on one).

D. So for these there weren’t large differences in the run times, but I wonder if that is still the case for a very large database query.

This was fairly challenging, I needed to keep going back to the 3.8 queries and the information in the chapter to write the CTE’s. I thought the CTE’s would be easier (and I guess they might be a bit easier to read) but I didn’t find them easy to do! I can see the advantage if you would be using the temporary table to run a number of queries. I suppose it makes a difference in what type of work you do on a more regular basis.