Investigate a Relational Database

REVIEW | CODE REVIEW | HISTORY

Meets Specifications

Hello there,

Your project is coming really good.
The amount of effort which you have given in this project is highly appreciable but there is one thing that needs to be tweaked before meeting the full spec.

Hope this helps.

Queries

✓ **All SQL queries run without errors and produce the intended results.**

Good job writing error-free SQL queries! Nice use of GROUP BY and ORDER BY clauses in your queries.

✓ **Each SQL query needs to include one or more explicit JOINs. The JOIN or JOINs should be necessary to the query.**

If a question does not require a JOIN please change the question to be one that does.

Great! You have used multiple joins in your queries!
I suggest you to use multiple types of joins to get the advantage of all types of joins. Ex. Left Join, Right Join etc.

✓ **Each SQL query needs to include one or more aggregations. This could be a COUNT, AVG, SUM, or other aggregation.**

A really nice job using an aggregation in each of your SQL queries!
In query#3 and #4 you also mixed them up nicely by using SUM and COUNT, Kudos!

✓ **At least 2 of the 4 SQL queries need to include either a subquery OR a CTE.**

Amazing job with the Subquery in your queries! This is usually the more challenging part of SQL and you have demonstrated good mastery of these concepts.
Moreover, you used each of them effectively and where they were required and relevant.

✓ **At least 1 of the 4 queries should use a Window Function.**

Great job using a Window Function in two of your queries! Your Window Functions used both PARTITION BY and ORDER BY clauses, which went over the basic requirements of the submissions, so splendid job using those statements effectively and creatively and including this in your submission!

✓ **The SQL queries are well formatted and use aliases.**

The formatting could be improved by indentation, but given no specific rules are given I am marking it as pass based on being understandable and one statement per line.

I really like the way you've used alpha-numeric aliases for ORDER BY and GROUP BY clauses.

Presentation

✓ **Each slide should have a question and an appropriate visualization descriptions to address the question. The slides should be free of significant factual, spelling and grammatical mistakes.**

Great job at providing individual visualizations on each slide! You have provided an appropriate title for each slide and there are no significant factual, spelling and grammar mistakes.

✓ **All visualizations should make logical sense and provide accurate analysis based on their query results.**

All visualizations make logical sense and provide accurate analysis based on query results.

✓

1. **All visualizations include a title and axis labels, have a legend where applicable, and are easily understood.**
2. **Every visualization should have:**
   - **chart title**
   - **x axis title**
   - **x axis label**
   - **y axis title**
   - **y axis labels**

Query#2, #3 and #4- Chart title is missing, please include that and you'll be good to go.

Tables are perfectly ok to present data. However, I suggest you to change other tables to different visual types as well to present your data effectively (this suggestion is not mandatory, but I highly recommend to do the change).

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