SQL-CASE STUDY (Data Mart Analysis) :

I have done my sql case study of **Data Mart Analysis** where I have been given the database schema of **Data Mart.**

First of all ,I have cleaned the dataset as it is instructed . I have used **MySql workbench** for doing this case study.

After the cleaning part , I have created a database named **clean_weekly_sales**, and I did the data exploration part .There are a total 7 queries which are asked .
This is the link to the description document.

Solutions of the given queries :

I have found the following answers with respect to the queries I have been asked :

1. 1-11 and 36-52 week numbers are missing from the dataset.

2. Total transactions there are for each year in the dataset….

	calendar_year	total_trans_per_year
▶	2020	375813651
	2019	365639285
	2018	346406460

3.. What are the total sales for each region for each month?

Here the dataset of the above questions—
-answer.

4.. What is the total count of transactions for each platform?

	platform	total_count_trans
▶	Retail	1081934227
	Shopify	5925169

5. What is the percentage of sales for Retail vs Shopify for each month?

Here the dataset of the above questions—
-answer.

6. What is the percentage of sales by demographic for each year in the dataset?

Here the dataset of the above questions—
-answer.

7. Which age_band and demographic values contribute the most to Retail sales?

Here the dataset of the above questions—
-answer.

What I have applied here:

I have applied so many sql commands to get the appropriate solutions like I have used some functions **max(), left(),right()** etc.

I have applied **group by, order by** operations, I have used **window functions** here.

I have created a Common **table expression** to get a solution.

What I have learnt from here :

1. I have learnt how to write a sql query .
2. How to get some insights from the dataset .
3. How to approach any given problem statement.
4. How to apply different different sql commands for optimizing solutions.

THE END