1. **Merging the 6 datasets**

CREATE TABLE "Sales Data" as

select \* from “Sales Canada"

UNION ALL

SELECT \* FROM "Sales China"

Union all

SELECT \* FROM "Sales India"

Union all

SELECT \* FROM "Sales Nigeria"

Union all

SELECT \* FROM "Sales UK"

Union all

SELECT \* FROM "Sales US"

1. **Checking for missing values**

select \* from "Sales Data"

where "Country" is null

or "Price Per Unit" is null

or "Quantity Purchased" is null

or "Cost Price" is null

or "Discount Applied" is null;

1. **Updating “Quantity Purchased”**

update "Sales Data"

set "Quantity Purchased" = 3

where "Transaction ID" = '00a30472-89a0-4688-9d33-67ea8ccf7aea'

1. **Updating “Price Per Unit”**

update "Sales Data"

set "Price Per Unit" = (SELECT AVG("Price Per Unit")

From "Sales Data"

where "Price Per Unit" is not null)

where "Transaction ID" = '001898f7-b696-4356-91dc-8f2b73d09c63';

1. **Checking for duplicate values**

select "Transaction ID", Count(\*)

from "Sales Data"

group by "Transaction ID"

having count(\*)>1;

1. **Adding “Total Amount” column**

Alter table "Sales Data"

add column "Total Amount" Numeric(10,2);

update "Sales Data"

set "Total Amount" = ("Price Per Unit" \* "Quantity Purchased") - "Discount Applied";

1. **Adding “Profit” column**

alter table "Sales Data" add

column "Profit" Numeric(10,2);

update "Sales Data"

set "Profit"="Total Amount" - ("Cost Price" + "Quantity Purchased");

1. **Sales Revenue & Profit by Country (Combined Query)**

SELECT "Country", SUM("Total Amount") AS "Total Revenue",

SUM("Profit") AS "Total Profit"

FROM "Sales Data"

WHERE "Date" BETWEEN '2025-02-10' AND '2025-02-14'

GROUP BY "Country"

ORDER BY "Total Revenue" DESC;

1. **Top 5 Best-Selling Products (During the Period)**

SELECT "Product Name",

SUM("Quantity Purchased") AS "Total Units Sold"

FROM "Sales Data"

WHERE "Date" BETWEEN '2025-02-10' AND '2025-02-14'

GROUP BY "Product Name"

ORDER BY "Total Units Sold" DESC

LIMIT 5;

1. **Best Sales Representatives (During the Period)**

SELECT "Sales Representative",

SUM("Total Amount") AS "Total Sales"

FROM "Sales Data"

WHERE "Date" BETWEEN '2025-02-10' AND '2025-02-14'

GROUP BY "Sales Representative"

ORDER BY "Total Sales" DESC

LIMIT 5;

1. **Which store locations generated the highest sales?**

SELECT "Store Location",

SUM("Total Amount") AS "Total Sales", SUM("Profit") AS "Total Profit"

FROM "Sales Data"

WHERE "Date" BETWEEN '2025-02-10' AND '2025-02-14'

GROUP BY "Store Location"

ORDER BY "Total Sales" DESC

limit 5;

1. **What are the key sales and profit insights for the selected period?**

SELECT

MIN("Total Amount") AS "Min Sales Value",

MAX("Total Amount") AS "Max Sales Value",

AVG("Total Amount") AS "Avg Sales Value",

SUM("Total Amount") AS "Total Sales Value",

MIN("Profit") AS "Min Profit",

MAX("Profit") AS "Max Profit",

AVG("Profit") AS "Avg Profit",

SUM("Profit") AS "Total Profit"

FROM "Sales Data"

WHERE "Date" BETWEEN '2025-02-10' AND '2025-02-14';