**FINANCE DATA ANALYSIS**

-- ADD NEW TABLE TOTAL\_REVENUE MULTYPLAY STOCK\_UNITS AND STOCK\_PRICE

SELECT SUM(STOCK\_UNITS \* STOCK\_PRICE) AS TOTAL\_REVENUE

FROM BANK

UPDATE BANK SET STOCK\_NAME = 'UNKHOWN'

WHERE STOCK\_NAME IS NULL

--REMOVE NULL VALUES

SELECT \* FROM BANK

WHERE STOCK\_UNITS IS NULL OR STOCK\_PRICE IS NULL OR STOCK\_NAME IS NULL

ALTER TABLE BANK

ADD COLUMN TOTAL\_REVENUE NUMERIC

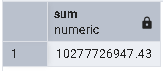
UPDATE BANK SET TOTAL\_REVENUE = STOCK\_UNITS \* STOCK\_PRICE

FROM BANK

1. Total Revenue

SELECT SUM(TOTAL\_REVENUE)

FROM BANK



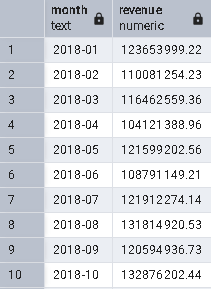
🔹 2. Monthly Revenue Trend

SELECT TO\_CHAR(TRANSACTION\_DATE, 'YYYY-MM') AS MONTH , SUM(TOTAL\_REVENUE) AS REVENUE

FROM BANK

GROUP BY MONTH

ORDER BY MONTH ASC



🔹 3. Top 5 Revenue-Generating Customers

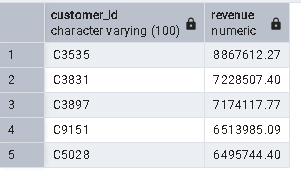
SELECT CUSTOMER\_ID, SUM(TOTAL\_REVENUE) AS REVENUE

FROM BANK

GROUP BY CUSTOMER\_ID

ORDER BY REVENUE DESC

LIMIT 5



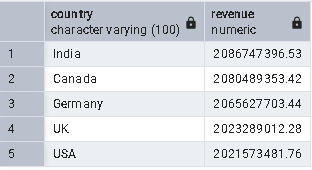
🔹 4. Revenue by COUNTRY

SELECT COUNTRY,SUM(TOTAL\_REVENUE) AS REVENUE

FROM BANK

GROUP BY COUNTRY

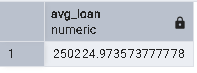
ORDER BY REVENUE DESC



🔹 5. Average Loan Amount

SELECT AVG(LOAN\_AMOUNT) AS AVG\_LOAN

FROM BANK



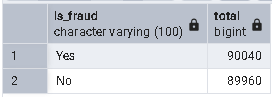
🔹 6. Fraud Transaction Count

SELECT IS\_FRAUD , COUNT(IS\_FRAUD) AS TOTAL

FROM BANK

GROUP BY IS\_FRAUD

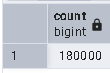
ORDER BY TOTAL DESC



7. Total Transactions

SELECT COUNT(TRANSACTION\_DATE)

FROM BANK



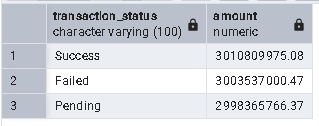
8. Total Transaction Amount

SELECT TRANSACTION\_STATUS, SUM(AMOUNT) AS AMOUNT

FROM BANK

GROUP BY TRANSACTION\_STATUS

ORDER BY AMOUNT DESC



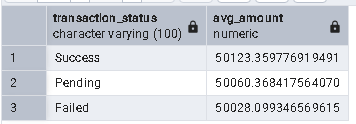
9. Average Transaction Amount

SELECT TRANSACTION\_STATUS, AVG(AMOUNT) AS AVG\_AMOUNT

FROM BANK

GROUP BY TRANSACTION\_STATUS

ORDER BY AVG\_AMOUNT DESC



10. Monthly Transactions Trend SUCCESS

SELECT TO\_CHAR(TRANSACTION\_DATE, 'YYYY-MM') AS MONTH, SUM(AMOUNT) AS AMOUNT

FROM BANK

WHERE TRANSACTION\_STATUS = 'Success'

GROUP BY MONTH

ORDER BY AMOUNT DESC



11. Fraud by Channel

SELECT CHANNEL, IS\_FRAUD, COUNT(\*) AS TOTAL

FROM BANK

GROUP BY CHANNEL, IS\_FRAUD

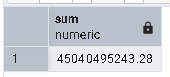
ORDER BY IS\_FRAUD DESC



12. Total Loan Amount Issued

SELECT SUM(LOAN\_AMOUNT)

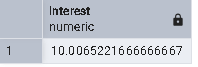
FROM BANK



13. Average Loan Interest Rate

SELECT AVG(Interest\_RATE) AS Interest

FROM BANK



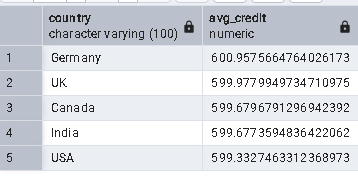
14. Average Credit Score by Country

SELECT COUNTRY, AVG(CREDIT\_SCORE) AS AVG\_CREDIT

FROM BANK

GROUP BY COUNTRY

ORDER BY AVG\_CREDIT DESC

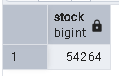


15. Top Stocks Purchased

SELECT COUNT(STOCK\_UNITS) AS STOCK

FROM BANK

WHERE STOCK\_UNITS >0



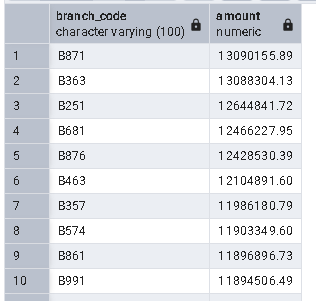
16. Branch-wise Total Transactions

SELECT BRANCH\_CODE, SUM(AMOUNT) AS AMOUNT

FROM BANK

GROUP BY BRANCH\_CODE

ORDER BY AMOUNT DESC



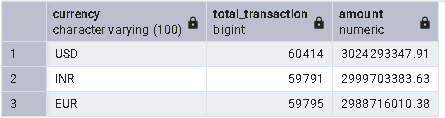
17. Currency-wise Transaction Summary

SELECT CURRENCY, COUNT(\*) AS TOTAL\_TRANSACTION, SUM(AMOUNT) AS AMOUNT

FROM BANK

GROUP BY CURRENCY

ORDER BY AMOUNT DESC



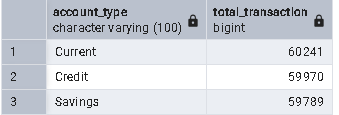
18. Account Type Distribution

SELECT ACCOUNT\_TYPE, COUNT(\*)AS TOTAL\_TRANSACTION

FROM BANK

GROUP BY ACCOUNT\_TYPE

ORDER BY TOTAL\_TRANSACTION DESC



SELECT \* FROM BANK