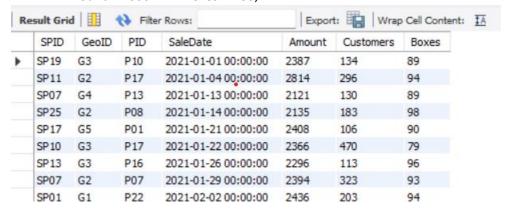
Q1. Print details of shipments (sales) where amounts are > 2,000 and boxes are <100? select *

FROM sales

WHERE Amount > 2000 AND Boxes < 100;



Q2. How many shipments (sales) each of the sales persons had in the month of January 2022?

SELECT Salesperson, COUNT(PID) AS No_Of_sales

FROM sales JOIN people

ON sales.spid = people.spid

WHERE YEAR(saledate) = 2022 AND MONTH(saledate) = 1

GROUP BY Salesperson;



Q3. Which product sells more boxes? Milk Bars or Eclairs?

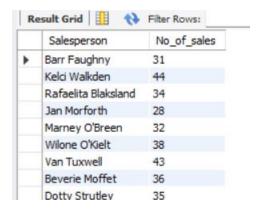
SELECT SUM(sales.Boxes) AS Total_sale, Product

FROM sales JOIN products

ON sales.pid = products.pid

WHERE product IN ('Milk Bars', 'Eclairs')

GROUP BY product;



Q4. Which product sold more boxes in the first 7 days of February 2022? Milk Bars or Eclairs?

SELECT SUM(sales.boxes) AS BoxesSold, products.Product

FROM sales

JOIN products ON sales.pid = products.pid

WHERE products.Product IN ('Milk Bars', 'Eclairs') AND (sales.saledate BETWEEN '2022-02-01' AND '2022-02-07')

GROUP BY products. Product;



Q5. Which shipments had under 100 customers & under 100 boxes? Did any of them occur on Wednesday?

SELECT *

FROM sales

WHERE Customers < 100 and Boxes <100 AND dayname(saledate) = 'Wednesday';



Q1. What are the names of salespersons who had at least one shipment (sale) in the first 7 days of January 2022?

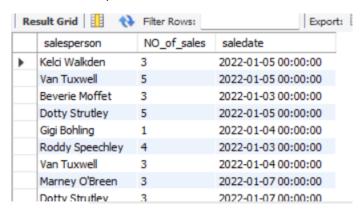
SELECT salesperson, COUNT(PID) AS NO_of_sales, sales.saledate

FROM people JOIN sales

ON people.SPID = sales.SPID

WHERE sales.saledate BETWEEN '2022-01-01' AND '2022-01-07'

GROUP BY salesperson, sales. Sale Date;



Q2. Which salespersons did not make any shipments in the first 7 days of January 2022?

SELECT *

FROM people JOIN sales

ON people.SPID = sales.SPID

WHERE Amount = 0 AND sales.saledate BETWEEN '2022-01-01' AND '2022-01-07';



Q3. How many times we shipped more than 1,000 boxes in each month?

SELECT COUNT(PID) AS No_of_sale, MONTH(saledate) AS Month, YEAR(saledate) AS Year

FROM sales

WHERE Boxes > 1000

GROUP BY MONTH(saledate), YEAR(saledate);



Q4. Did we ship at least one box of 'After Nines' to 'New Zealand' on all the months?

SELECT Product, Geo, MONTH(saleDate) AS Month, YEAR(saleDate) AS Year, SUM(Boxes) AS Total_boxes_sold

FROM sales

JOIN products ON sales.PID = products.PID

JOIN geo ON sales.GeoID = Geo.GeoID

WHERE Product = 'After Nines' AND Geo = 'New Zealand' AND Boxes > 1

GROUP BY Product, Geo, MONTH(saleDate), YEAR(saleDate)

ORDER BY YEAR(saleDate), MONTH(saleDate);



Q5. India or Australia? Who buys more chocolate boxes on a monthly basis?

SELECT

YEAR(s.saledate) AS Year,

MONTH(s.saledate) AS Month,

SUM(CASE WHEN g.geo = 'India' THEN s.Boxes ELSE 0 END) AS 'India Boxes',

SUM(CASE WHEN g.geo = 'Australia' THEN s.boxes ELSE 0 END) AS 'Australia Boxes',

(SUM(CASE WHEN g.geo = 'India' THEN s.Boxes ELSE 0 END) - SUM(CASE WHEN g.geo = 'Australia' THEN s.boxes ELSE 0 END)) AS Difference

FROM

sales s

JOIN

geo g ON g.GeoID = s.GeoID

GROUP BY

YEAR(s.saledate), MONTH(s.saledate)

ORDER BY

YEAR(s.saledate), MONTH(s.saledate);

