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group by Month
Order by MonthlySales DESC
SELECT Month AS Month, SUM (Sales) as MonthlySales
FROM Pharm_sales
where Year= 2020
group by Month
Order by MonthlySales DESC
---2. Sales by Location
----a. Which cities have the highest total; sales? (Identify top cities by sales volume)
select City, sum(Sales) as TotalSales
frOM Pharm_sales
group by City
order by TotalSales DESC;
----b.How do sales compare across different countries? (Analyze sales performance by country)
SELECT Country, SUM(Sales) as TotalSales
from Pharm_sales
Group by Country
Order by TotalSales DESC;
---3. Customer Segmentation
----a. What is the total sales by customer type (e.g., Hospitals, Pharmacies)?
SELECT Channel, SUM(Sales) AS TotalSales
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FROM Pharm_sales
GROUP BY Channel
ORDER BY TotalSales DESC;
----b. How do sales differ across various sectors (e.g., Government vs. Private buyers)?
SELECT "Sub-channel", sum (Sales) as TotalSales
from Pharm sales
group by "Sub-channel"
order by TotalSales DESC;
----b. How do sales differ across various sectors (e.g., Government vs. Private buyers)?
---4. Product Analysis
----a. What are the top-selling products within each drug class?
SELECT "Product Class", "Product Name", SUM(Sales) AS TotalSales
FROM Pharm_sales
WHERE "Product Class" = 'Analgesics'
GROUP BY "Product Class", "Product Name"
ORDER BY TotalSales DESC
LIMIT 10;
SELECT "Product Class", "Product Name", SUM(Sales) AS TotalSales
FROM Pharm_sales
WHERE "Product Class" = 'Antibiotics'
GROUP BY "Product Class", "Product Name"
ORDER BY TotalSales DESC
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LIMIT 10;
SELECT "Product Class", "Product Name", SUM(Sales) AS TotalSales
FROM Pharm_sales
WHERE "Product Class" = 'Antimalarial'
GROUP BY "Product Class", "Product Name"
ORDER BY TotalSales DESC
LIMIT 10;
SELECT "Product Class", "Product Name", SUM(Sales) AS TotalSales
FROM Pharm_sales
WHERE "Product Class" = 'Antipiretics'
GROUP BY "Product Class", "Product Name"
ORDER BY TotalSales DESC
LIMIT 10;
SELECT "Product Class", "Product Name", SUM(Sales) AS TotalSales
FROM Pharm_sales
WHERE "Product Class" = 'Mood Stabilizers'
GROUP BY "Product Class", "Product Name"
ORDER BY TotalSales DESC
LIMIT 10;
----b. What is the average price for each class of drugs? (Analyze pricing by product class)
SELECT "Product Class", AVG(Price) AS AveragePrice
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FROM Pharm_sales
GROUP BY "Product Class";
ORDER BY AveragePrice DESC
---5. Sales Representative Performance
----a. Who are the top-performing sales representatives based on total sales?
SELECT "Name of Sales Rep", SUM(Sales) as Totalsales
from Pharm_sales
group by "Name of Sales Rep"
Order by Totalsales desc;
----b. How does sales performance vary across different sales teams?
SELECT "Sales Team", SUM(Sales) AS TotalSales
FROM Pharm_sales
GROUP BY "Sales Team"
ORDER BY TotalSales DESC;
---6. Time Series Analysis
----a. What is the year-over-year growth in total sales? (Measure growth trends over the years)
select Year, sum(Sales) as YearlySales
from Pharm_sales
group by Year
order by Year;
----b. Which months consistently have the highest sales volume? (Identify seasonal sales patterns)
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select Month, sum(Sales) as MonthlySales

from Pharm\_sales

Group by Month

oRDER BY MonthlySales DESC;