WALMART SALES QUERIS

Generic

1. **How many unique cities does the data have?**

SELECT DISTINCT (city) FROM sales;

Result Grid

	city
▶	Yangon
	Naypyitaw
	Mandalay

2. **In which city is each branch?**

SELECT DISTINCT (city), branch FROM sales;

Result Grid

	city	branch
▶	Yangon	A
	Naypyitaw	C
	Mandalay	B

Product

1. **How many unique product lines does the data have?**

SELECT DISTINCT product_line AS Uniques_Product_line FROM sales;

Result Grid

	Uniques_Product_line
▶	Food and beverages
	Health and beauty
	Sports and travel
	Fashion accessories
	Home and lifestyle
	Electronic accessories

2. **What is the most common payment method?**

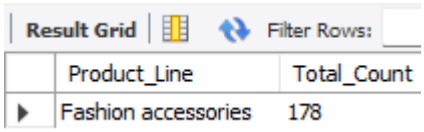
SELECT payment AS Payment_Method, COUNT(*) AS No_of_Payments FROM sales GROUP BY Payment_Method ORDER BY No_of_Payments DESC LIMIT 1;

Result Grid

	Payment_Method	No_of_Payments
▶	Cash	344

3. **What is the most selling product line?**

SELECT Product_Line, COUNT(*) AS Total_Count FROM sales GROUP BY Product_Line ORDER BY Total_Count DESC LIMIT 1;

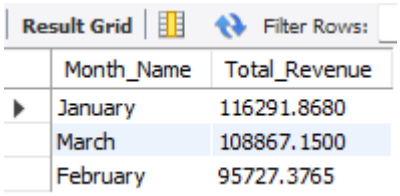


Result Grid | Filter Rows:

Product_Line	Total_Count
Fashion accessories	178

4. **What is the total revenue by month?**

SELECT Month_Name, SUM(total) AS Total_Revenue FROM sales GROUP BY Month_Name ORDER BY Total_Revenue DESC;

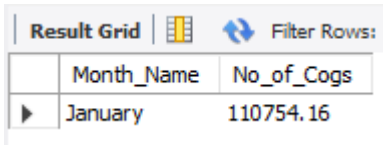


Result Grid | Filter Rows:

Month_Name	Total_Revenue
January	116291.8680
March	108867.1500
February	95727.3765

5. **What month had the largest COGS?**

SELECT Month_Name, SUM(cogs) AS No_of_Cogs FROM sales GROUP BY Month_Name ORDER BY No_of_Cogs DESC LIMIT 1;

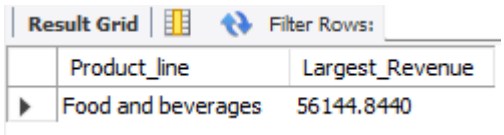


Result Grid | Filter Rows:

Month_Name	No_of_Cogs
January	110754.16

6. **What product line had the largest revenue?**

SELECT Product_Line, SUM(total) AS Largest_Revenue FROM sales GROUP BY Product_Line ORDER BY Largest_Revenue DESC LIMIT 1;

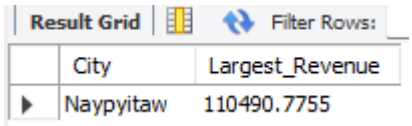


Result Grid | Filter Rows:

Product_line	Largest_Revenue
Food and beverages	56144.8440

7. **What is the city with the largest revenue?**

SELECT City, SUM(total) AS Largest_Revenue FROM sales GROUP BY City ORDER BY Largest_Revenue DESC LIMIT 1;



Result Grid | Filter Rows:

City	Largest_Revenue
Naypyitaw	110490.7755

8. **What product line had the largest VAT?**

SELECT Product_Line, ROUND(AVG(tax_pct), 2) AS Largest_VAT FROM sales GROUP BY Product_Line ORDER BY Largest_VAT DESC LIMIT 1;

Result Grid | Filter Rows:

Product_Line	Largest_VAT
Home and lifestyle	16.03

9. **Fetch each product line and add a column to those product line showing "Good", "Bad". Good if its greater than average sales**

SELECT Product_Line, CASE WHEN ROUND(AVG(total), 2) > 322.50 THEN 'Good' ELSE 'Bad' END AS Performance FROM sales GROUP BY Product_Line;

Result Grid | Filter Rows:

Product_Line	Performance
Food and beverages	Good
Health and beauty	Good
Sports and travel	Good
Fashion accessories	Bad
Home and lifestyle	Good
Electronic accessories	Bad

10. **Which branch sold more products than average product sold?**

SELECT Branch, AVG(quantity) AS Average_Quantity FROM sales GROUP BY branch HAVING Average_Quantity > (SELECT AVG(quantity) FROM sales);

Result Grid | Filter Rows:

Branch	Average_Quantity
C	5.5902

11. **What is the most common product line by gender?**

SELECT Product_Line, Gender, COUNT(*) AS Count FROM sales GROUP BY Product_Line, Gender ORDER BY Count DESC LIMIT 1;

Result Grid | Filter Rows:

Product_Line	Gender	Count
Fashion accessories	Female	96

12. **What is the average rating of each product line?**

SELECT Product_Line, ROUND(AVG(Rating), 2) AS Average_Rating FROM sales GROUP BY Product_Line;

Result Grid | Filter Rows:

Product_Line	Average_Rating
Food and beverages	7.11
Health and beauty	6.98
Sports and travel	6.86
Fashion accessories	7.03
Home and lifestyle	6.84
Electronic accessories	6.91

Sales

1. **Number of sales made in each time of the day per weekday?**

SELECT Day_Name, Time_of_day, COUNT(*) AS No_of_Orders FROM sales WHERE Day_Name NOT IN ('Sunday', 'Saturday') GROUP BY Time_of_day, Day_Name ORDER BY COUNT(*) DESC;

Result Grid | Filter Rows:

Day_Name	Time_of_day	No_of_Orders
Tuesday	Evening	69
Wednesday	Afternoon	61
Wednesday	Evening	58
Friday	Afternoon	58
Monday	Evening	56
Thursday	Evening	56
Tuesday	Afternoon	53
Friday	Evening	51
Thursday	Afternoon	49
Monday	Afternoon	48
Tuesday	Morning	36
Thursday	Morning	33
Friday	Morning	29
Wednesday	Morning	22
Monday	Morning	20

2. **Which of the customer types brings the most revenue?**

SELECT Customer_Type, SUM(total) AS Revenue FROM sales GROUP BY Customer_Type ORDER BY Revenue DESC;

Result Grid | Filter Rows:

Customer_Type	Revenue
Member	163625.1015
Normal	157261.2930

3. **Which city has the largest tax percent/ VAT (Value Added Tax)?**

SELECT City, ROUND(AVG(tax_pct), 2) AS Largest_VAT FROM sales GROUP BY City ORDER BY Largest_VAT DESC LIMIT 1;

Result Grid | Filter Rows:

City	Largest_VAT
Naypyitaw	16.09

4. **Which customer type pays the most in VAT?**

SELECT Customer_Type, AVG(tax_pct) AS Avg_Vat FROM sales GROUP BY Customer_Type ORDER BY Avg_Vat DESC;

Result Grid | Filter Rows:

Customer_Type	Avg_Vat
Member	15.61457214
Normal	15.09805040

Customer

1. **How many unique customer types does the data have?**

SELECT DISTINCT (Customer_Type) FROM sales;

Result Grid

Customer_Type
Normal
Member

2. **How many unique payment methods does the data have?**

SELECT DISTINCT (Payment) FROM sales;

Result Grid

Payment
Credit card
Ewallet
Cash

3. **What is the most common customer type?**

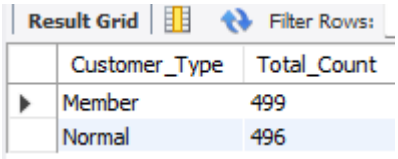
SELECT Customer_Type, COUNT(*) AS No_of_Customers FROM sales GROUP BY Customer_Type ORDER BY No_of_Customers;

Result Grid | Filter Rows:

Customer_Type	No_of_Customers
Normal	496
Member	499

4. **Which customer type buys the most?**

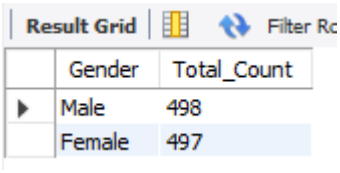
SELECT Customer_Type, COUNT(*) AS Total_Count FROM sales GROUP BY Customer_Type ORDER BY Total_Count DESC;



Customer_Type	Total_Count
Member	499
Normal	496

5. **What is the gender of most of the customers?**

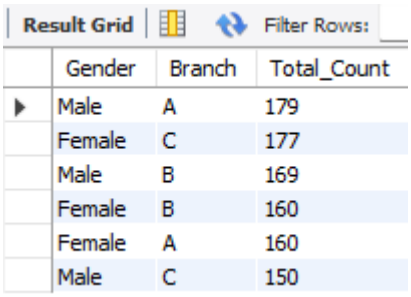
SELECT Gender, COUNT(*) AS Total_Count FROM sales GROUP BY Gender ORDER BY Total_Count DESC;



Gender	Total_Count
Male	498
Female	497

6. **What is the gender distribution per branch?**

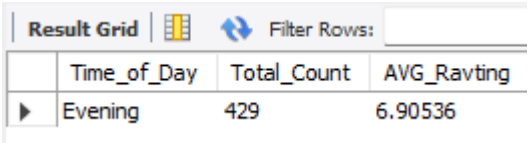
SELECT Gender, Branch, COUNT(*) AS Total_Count FROM sales GROUP BY Gender, Branch ORDER BY Total_Count DESC;



Gender	Branch	Total_Count
Male	A	179
Female	C	177
Male	B	169
Female	B	160
Female	A	160
Male	C	150

7. **Which time of the day do customers give most ratings?**

SELECT Time_of_Day, COUNT(*) AS Total_Count, AVG(Rating) AS AVG_Ravting FROM sales GROUP BY Time_of_Day ORDER BY Total_Count DESC LIMIT 1;



Time_of_Day	Total_Count	AVG_Ravting
Evening	429	6.90536

8. **Which time of the day do customers give most ratings per branch?**

SELECT Time_of_Day, AVG(Rating) AS Avg_Rating FROM sales WHERE Branch = 'C' GROUP BY Time_of_Day ORDER BY Avg_Rating DESC;

Result Grid | Filter Rows:

Time_of_Day	Avg_Rating
Evening	7.09859
Afternoon	7.06667
Morning	6.97458

9. Which day of the week has the best average ratings?

SELECT Day_Name, ROUND(AVG(Rating), 2) AS Avg_Rating FROM sales GROUP BY Day_Name ORDER BY Avg_Rating DESC LIMIT 1;

Result Grid | Filter Rows:

Day_Name	Avg_Rating
Monday	7.13

10. Which day of the week has the best average ratings per branch?

SELECT Day_Name, AVG(Rating) AS Avg_Rating FROM sales WHERE Branch = 'C' GROUP BY Day_Name ORDER BY Avg_Rating DESC;

Result Grid | Filter Rows:

Day_Name	Avg_Rating
Saturday	7.22963
Friday	7.20541
Wednesday	7.06400
Monday	7.03684
Sunday	7.02826
Tuesday	6.95185
Thursday	6.95000