MENTORNESS TASK 2

NAME- ABHIJEET KUNDU

1. **Retrieve all columns for sales made in a specific branch (e.g., Branch 'A').**

**CODE-**

SELECT \*

FROM walmartdata

WHERE Branch = 'A';

**OUTPUT-**

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2. **Find the total sales for each product line.**

**CODE-**

SELECT Product\_line, SUM(Total) AS Total\_Sales

FROM wlmartdata

GROUP BY Product\_line;

**OUTPUT-**

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3. **List all sales transactions where the payment method was 'Cash'.**

**CODE-**

SELECT \*

FROM walmartdata

WHERE Payment = 'Cash';

**OUTPUT-**

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Description automatically generated

4**. Calculate the total gross income generated in each city.**

**CODE-**

SELECT City, SUM(gross\_income) AS Total\_Gross\_Income

FROM walmartdata

GROUP BY City;

**OUTPUT-**

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Description automatically generated

5. **Find the average rating given by customers in each branch.**

**CODE-**

SELECT Branch, AVG(Rating) AS Average\_Rating

FROM walmartdata

GROUP BY Branch;

**OUTPUT-**

A screenshot of a computer

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6. **Determine the total quantity of each product line sold.**

**CODE-**

SELECT Product\_line, SUM(Quantity) AS Total\_Quantity

FROM walmartdata

GROUP BY Product\_line;

**OUTPUT-**

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7. **List the top 5 products by unit price.**

**CODE-**

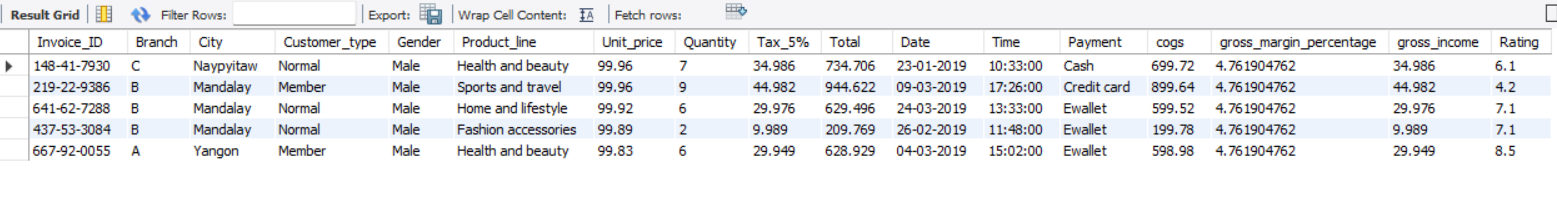
SELECT \*

FROM walmartdata

ORDER BY Unit\_price DESC

LIMIT 5;

**OUTPUT-**



8. **Find sales transactions with a gross income greater than 30.**

**CODE-**

SELECT \*

FROM walmartdata

WHERE gross\_income > 30;

**OUTPUT-**

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9. Retrieve sales transactions that occurred on weekends.

**CODE-**

SELECT \*

FROM walmartdata

WHERE DAYOFWEEK(Date) IN (5, 6);

**OUTPUT-**

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10. **Calculate the total sales and gross income for each month.**

**CODE-**

SELECT DATE\_FORMAT(Date, '%Y-%m') AS Month, SUM(Total) AS Total\_Sales, SUM(gross\_income) AS Total\_Gross\_Income

FROM walmartdata

GROUP BY DATE\_FORMAT(Date, '%Y-%m');

**OUTPUT-**

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11. **Find the number of sales transactions that occurred after 6 PM.**

**CODE-**

SELECT COUNT(\*) AS Sales\_After\_6\_PM

FROM walmartdata

WHERE TIME(Time) > '18:00:00';

**OUTPUT-**

A screenshot of a computer

Description automatically generated

12. **List the sales transactions that have a higher total than the average total of all transactions.**

**CODE-**

SELECT \*

FROM walmartdata

WHERE Total > (SELECT AVG(Total) FROM walmartdata);

**OUTPUT-**

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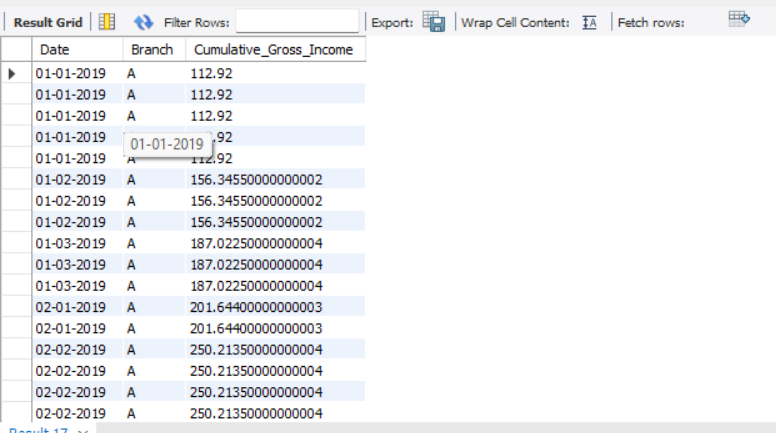
13. **Calculate the cumulative gross income for each branch by date.**

**CODE-**

SELECT Date, Branch, SUM(gross\_income) OVER (PARTITION BY Branch ORDER BY Date) AS Cumulative\_Gross\_Income

FROM walmartdata;

**OUTPUT-**



15. **Find the total cogs for each customer type in each city.**

**CODE-**

SELECT City, Customer\_type, SUM(cogs) AS Total\_COGS

FROM walmartdata

GROUP BY City, Customer\_type;

**OUTPUT-**

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