

Amazon Sales Analysis - SQL Queries & Outputs

1. Extract data from table

```
SELECT * FROM `amazon sale report`  
LIMIT 10;
```

The screenshot displays a SQL IDE interface with a query editor, a schema navigator, and a results grid. The query editor contains the following SQL code:

```
1 USE zepto;  
2 SELECT * FROM `amazon sale report` LIMIT 10; #Extract data from table  
3  
4 SELECT SUM(amount) AS total_revenue FROM `amazon sale report`;  
5  
6 SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM `amazon sale report`;
```

The schema navigator on the left shows the database structure, including the `amazon sale report` table. The results grid displays the first 10 rows of data from the `amazon sale report` table:

Index	Order ID	Date	Status	Fulfillment	Sales Channel	ship-service-level	Style	SKU	Category	Size	ASN
0	404-5933402-6801952	4/30/2022	Cancelled	Merchant	Amazon.in	Standard	JNE2132	JNE2132-4R-398-X00L	kurta	3XL	B07X
1	171-9040274-9291563	4/30/2022	Shipped	Amazon	Amazon.in	Expedited	J0341	J0341-OR-S	Western Dress	S	B099
2	403-7056319-6975561	4/30/2022	Shipped	Amazon	Amazon.in	Expedited	MEN5009	MEN5009-4R-XL	kurta	XL	B081
3	404-9632124-1107550	4/30/2022	Shipped - Delivered to Buyer	Merchant	Amazon.in	Standard	J0011	J0011-CD-M	Set	M	B086
4	402-1465437-0575556	4/30/2022	Shipped - Delivered to Buyer	Merchant	Amazon.in	Standard	JNE3766	JNE3766-4R-M	kurta	M	B09C
5	404-7774085-3780319	4/30/2022	Shipped	Amazon	Amazon.in	Expedited	JNE3373	JNE3373-4R-XL	kurta	XL	B08D
6	402-2764952-1462318	4/30/2022	Shipped - Delivered to Buyer	Merchant	Amazon.in	Standard	MEN5001	MEN5001-4R-XL	kurta	XL	B081
7	406-0272200-7784379	4/30/2022	Shipped	Amazon	Amazon.in	Expedited	SET345	SET345-4R-4P-L	Set	L	B090
8	403-4367556-2948158	4/30/2022	Shipped	Amazon	Amazon.in	Expedited	JNE3787	JNE3787-4R-S	kurta	S	B090

The bottom section of the IDE shows the 'Action Output' window, which displays the execution progress of the queries:

#	Time	Action	Message	Duration / Fetch
17	15:59:25	SELECT SUM(amount) AS total_revenue FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
18	15:59:25	USE zepto	0 row(s) affected	0.015 sec
19	15:59:25	SELECT * FROM `amazon sale report` LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec
20	15:59:25	SELECT SUM(amount) AS total_revenue FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
21	15:59:25	SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
22	16:17:47	SELECT * FROM `amazon sale report` LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec

2.Total Revenue

```
SELECT SUM(Sales) AS Total_Revenue  
FROM `amazon sale report`;
```

The screenshot shows a SQL IDE interface with a query editor, a results grid, and an action output pane.

Query Editor:

```
1 USE zepto;  
2 SELECT * FROM `amazon sale report` LIMIT 20;  
3 SELECT SUM(amount) AS total_revenue FROM `amazon sale report`;  
4 SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM `amazon sale report`;  
5  
6
```

Results Grid:

total_revenue
18290

Action Output:

#	Time	Action	Message	Duration / Fetch
18	15:59:25	USE zepto	0 row(s) affected	0.015 sec
19	15:59:25	SELECT * FROM `amazon sale report` LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec
20	15:59:25	SELECT SUM(amount) AS total_revenue FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
21	15:59:25	SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
22	16:17:47	SELECT * FROM `amazon sale report` LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec
23	16:20:25	SELECT SUM(amount) AS total_revenue FROM `amazon sale report` LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

Table: amazon sale report

Columns:

- index: int
- Order ID: text
- Date: text
- Status: text
- Fulfillment: text
- Sales: text
- Channel: text
- ship-service-level: text
- Style: text
- SKU: text
- Category: text

3.Total Quantity Sold

```
SELECT SUM(Qty) AS  
Total_Quantity FROM `amazon  
sale report`;
```

The screenshot shows a SQL IDE interface with a query editor, a schema navigator, and an output window. The query editor contains the following SQL code:

```
1 USE zepto;  
2 SELECT * FROM 'amazon sale report' LIMIT 20;  
3 SELECT SUM(amount) AS total_revenue FROM 'amazon sale report';  
4 -- Total Quantity Sold  
5 SELECT SUM(Qty) AS Total_Quantity FROM 'amazon sale report';  
6 SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM 'amazon sale report';  
7
```

The schema navigator on the left shows the 'zepto' database with tables 'amazon sale report', 'zepto', and 'xyz'. The output window at the bottom shows the execution results for the query 'SELECT SUM(Qty) AS Total_Quantity FROM 'amazon sale report';'.

#	Time	Action	Message	Duration / Fetch
19	15:59:25	SELECT * FROM 'amazon sale report' LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec
20	15:59:25	SELECT SUM(amount) AS total_revenue FROM 'amazon sale report' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
21	15:59:25	SELECT COUNT(DISTINCT SKU) AS total_SKUs FROM 'amazon sale report' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
22	16:17:47	SELECT * FROM 'amazon sale report' LIMIT 20	20 row(s) returned	0.000 sec / 0.000 sec
23	16:20:25	SELECT SUM(amount) AS total_revenue FROM 'amazon sale report' LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
24	16:28:34	SELECT SUM(Qty) AS Total_Quantity FROM 'amazon sale report' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

4. Top 5 Most Sold Categories

```
SELECT Category, SUM(Qty) AS  
Total_Quantity FROM `amazon  
sale report` GROUP BY Category  
ORDER BY Total_Quantity DESC  
LIMIT 5;
```

The screenshot displays a SQL IDE interface. On the left, a 'SCHEMAS' pane shows a tree view with 'zepto' selected, containing 'amazon sale report', 'zepto', 'Views', 'Stored Procedures', and 'Functions'. The main editor shows a SQL query with line numbers 1 through 7. The query is:
1 USE zepto;
2 SELECT * FROM 'amazon sale report' LIMIT 20;
3 SELECT SUM(amount) AS total_revenue FROM 'amazon sale report';
4 SELECT SUM(Qty) AS Total_Quantity FROM 'amazon sale report';
5 SELECT Category, SUM(Qty) AS Total_Quantity FROM 'amazon sale report'
6 GROUP BY Category ORDER BY Total_Quantity DESC LIMIT 5;
7
Below the query editor is a 'Result Grid' showing the output of the last query. It has two columns: 'Category' and 'Total_Quantity'. The data is as follows:

Category	Total_Quantity
Kurta	12
Set	10
Western Dress	3
Top	2
Ethnic Dress	1

On the right, a 'SQLAdditions' pane contains a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.' At the bottom, an 'Output' pane shows a log of actions and messages, including the execution of the query and the number of rows returned.

5. Revenue by State

```
SELECT `ship-state`,
SUM(`Sales`) AS Revenue FROM
`amazon sale report`
GROUP BY `ship-state` ORDER BY
Revenue DESC;
```

The screenshot shows a SQL IDE interface. The query editor contains the following SQL code:

```
1 USE zepto;
2 SELECT * FROM 'amazon sale report' LIMIT 20;
3 SELECT SUM(amount) AS total_revenue FROM 'amazon sale report';
4 SELECT SUM(qty) AS Total_Quantity FROM 'amazon sale report';
5 SELECT Category, SUM(qty) AS Total_Quantity FROM 'amazon sale report'
6 GROUP BY Category ORDER BY Total_Quantity DESC LIMIT 5;
7 SELECT 'ship-state', SUM('Sales') AS Revenue FROM 'amazon sale report';
```

The result grid shows the following data:

ship-state	Revenue
ASSAM	0
TAMIL NADU	0
UTTAR PRADESH	0
ANDHRA PRADESH	0
ODISHA	0
TELANGANA	0
DELHI	0
KERALA	0
MADHYA PRADESH	0
MAHARASHTRA	0
WEST BENGAL	0

The output pane shows the following messages:

#	Time	Action	Message	Duration / Fetch
25	16:33:01	SELECT Category, SUM(qty) AS Total_Quantity FROM 'amazon sale report' GROUP BY Category ORDER BY ...	5 row(s) returned	0.000 sec / 0.000 sec
26	16:35:46	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
27	16:35:58	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
28	16:36:18	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
29	16:37:29	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
30	16:40:53	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER ...	14 row(s) returned	0.016 sec / 0.000 sec

6. Courier Performance

```
SELECT `Courier`, COUNT(*)  
AS Total_Orders FROM  
`amazon sale report` GROUP  
BY Courier ORDER BY  
Total_Orders DESC;
```

The screenshot displays the SQL Developer interface. The main query window shows a SQL query with 9 lines. The 9th line is highlighted: `SELECT 'Courier', COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP`. The left sidebar shows the 'SCHEMAS' tree with 'zepto' selected. The bottom pane shows the 'Output' window with a table of execution results.

Query:

```
3 • SELECT SUM(amount) AS total_revenue FROM 'amazon sale report';  
4 • SELECT SUM(Qty) AS Total_Quantity FROM 'amazon sale report';  
5 • SELECT Category, SUM(Qty) AS Total_Quantity FROM 'amazon sale report'  
6   GROUP BY Category ORDER BY Total_Quantity DESC LIMIT 5;  
7 • SELECT 'ship-state', SUM('Sales') AS Revenue FROM 'amazon sale report'  
8   GROUP BY 'ship-state' ORDER BY Revenue DESC;  
9 • SELECT 'Courier', COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP
```

Result Grid:

Courier	Total_Orders
Courier	29

Output Window:

#	Time	Action	Message	Duration / Fetch
27	16:35:58	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
28	16:36:18	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
29	16:37:29	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
30	16:40:53	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER ...	14 row(s) returned	0.016 sec / 0.000 sec
31	16:44:00	SELECT Courier, COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP BY Courier ORDER BY Tot...	Error Code: 1054. Unknown column 'Courier' in field list	0.000 sec
32	16:44:54	SELECT Courier, COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP BY Courier ORDER BY Tot...	1 row(s) returned	0.032 sec / 0.000 sec

7. B2B vs Non-B2B Orders

```
SELECT B2B, COUNT(*) AS  
Order_Count FROM `amazon  
sale report` GROUP BY  
B2B;
```

The screenshot displays the SQL Developer environment. The main query editor shows a SQL query with several syntax errors highlighted in red. The query is as follows:

```
6 GROUP BY Category ORDER BY Total_Quantity DESC LIMIT 5;  
7 SELECT 'ship-state', SUM('Sales') AS Revenue FROM 'amazon sale report'  
8 GROUP BY 'ship-state' ORDER BY Revenue DESC;  
9 SELECT 'Courier', COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP  
10 BY Courier ORDER BY Total_Orders DESC;  
11 SELECT B2B, COUNT(*) AS Order_Count FROM 'amazon sale report' GROUP BY  
12 B2B;
```

The left sidebar shows the 'Navigator' pane with a tree view of the database schema, including tables like 'amazon sale report', 'zepto', and 'Views'. The bottom pane shows the 'Output' window with a table of execution results:

#	Time	Action	Message	Duration / Fetch
28	16:36:18	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
29	16:37:29	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER B...	Error Code: 1054. Unknown column 'Sales' in field list	0.000 sec
30	16:40:53	SELECT 'ship-state', SUM(Sales) AS Revenue FROM 'amazon sale report' GROUP BY 'ship-state' ORDER ...	14 row(s) returned	0.016 sec / 0.000 sec
31	16:44:00	SELECT Courier, COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP BY Courier ORDER BY Tot...	Error Code: 1054. Unknown column 'Courier' in field list	0.000 sec
32	16:44:54	SELECT Courier, COUNT(*) AS Total_Orders FROM 'amazon sale report' GROUP BY Courier ORDER BY Tot...	1 row(s) returned	0.032 sec / 0.000 sec
33	16:47:17	SELECT B2B, COUNT(*) AS Order_Count FROM 'amazon sale report' GROUP BY B2B LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

