**EV BATTTERY SALES SQL QUERIES**

**A. KPI’s**

**1. Total Revenue:**

SELECT SUM (total price) AS Total\_Revenue FROM ev\_batteries;

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**2. Average Order Value**

SELECT (SUM (total\_price) / COUNT(DISTINCT order\_id)) AS Avg\_order\_Value FROM ev\_batteries;

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**3. Total Batteries Sold**

SELECT SUM (quantity) AS Total\_batteries\_sold FROM ev\_batteries;

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**4. Total Orders**

SELECT COUNT (DISTINCT order\_id) AS Total\_Orders FROM ev\_batteries;

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**5. Average Batteries Per Order**

SELECT CAST(CAST(SUM (quantity) AS DECIMAL(10,2)) /

CAST (COUNT(DISTINCT order\_id) AS DECIMAL(10,2)) AS DECIMAL(10,2))

AS Avg\_Batteries\_per\_order

FROM ev\_batteries.

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**B. Daily Trend for Total Orders**SELECT DATENAME (DW, order\_date) AS order\_day, COUNT(DISTINCT order\_id) AS total\_orders

FROM ev\_batteries

GROUP BY DATENAME (DW, order\_date)

***Output:***

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AI-generated content may be incorrect.**

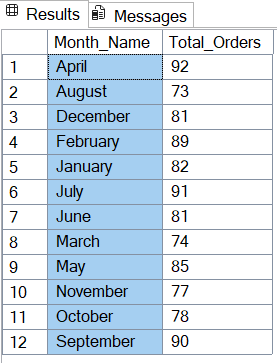
**C. Monthly Trend for Orders**

select DATENAME(MONTH, order\_date) as Month\_Name, COUNT(DISTINCT order\_id) as Total\_Orders

from ev\_batteries

GROUP BY DATENAME(MONTH, order\_date)

***Output***

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**D. % of Sales by Battery Category**

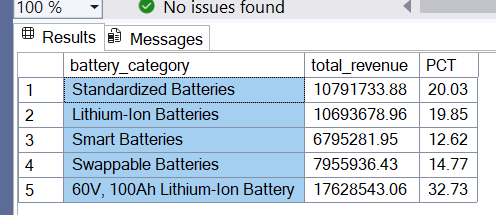
SELECT battery\_category, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,

CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from ev\_batteries) AS DECIMAL(10,2)) AS PCT

FROM ev\_batteries

GROUP BY battery\_category

***Output***

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**E. % of Sales by Battery Size**

SELECT battery\_size, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,

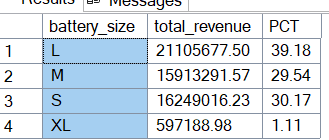
CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from ev\_batteries) AS DECIMAL(10,2)) AS PCT

FROM ev\_batteries

GROUP BY battery\_size

ORDER BY battery\_size

***Output***

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**F. Total Batteries Sold by Battery Category**

SELECT battery\_category, SUM(quantity) as Total\_Quantity\_Sold

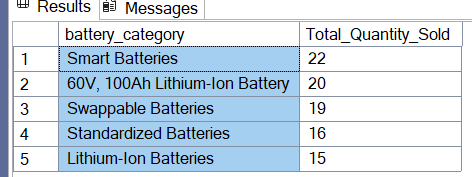
FROM ev\_batteries

WHERE MONTH(order\_date) = 2

GROUP BY battery\_category

ORDER BY Total\_Quantity\_Sold DESC

***Output***

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**G. Top 3 Batteries by Revenue**

SELECT Top 3 battery\_name, SUM(total\_price) AS Total\_Revenue

FROM ev\_batteries

GROUP BY battery\_name

ORDER BY Total\_Revenue DESC

**A close-up of a list of items

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**H. Bottom 3 Batteries by Revenue**

SELECT Top 3 battery\_name, SUM(total\_price) AS Total\_Revenue

FROM ev\_batteries

GROUP BY battery\_name

ORDER BY Total\_Revenue ASC

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**I. Top 3 Batteries by Quantity**

SELECT Top 3 battery\_name, SUM(quantity) AS Total\_Battery\_Sold

FROM ev\_batteries

GROUP BY battery\_name

ORDER BY Total\_Battery\_Sold DESC

***Output***

**A screenshot of a computer

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**J. Bottom 3 Batteries by Quantity**

SELECT TOP 3 battery\_name, SUM (quantity) AS Total\_Battery\_Sold FROM ev\_batteries GROUP BY battery\_name ORDER BY Total\_Battery\_Sold ASC

***Output***

**A close-up of a list of items

AI-generated content may be incorrect.**

**K. Top 3 Batteries by Total Orders**

SELECT Top 3 battery\_name, COUNT (DISTINCT order\_id) AS Total\_Orders

FROM ev\_batteries

GROUP BY battery\_name

ORDER BY Total\_Orders DESC

**A screenshot of a computer

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**L. Bottom 3 Batteries by Total Orders**

SELECT Top 3 battery\_name, COUNT (DISTINCT order\_id) AS Total\_Orders

FROM ev\_batteries

GROUP BY battery\_name

ORDER BY Total\_Orders ASC

***A close-up of a label

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***NOTE***

If you want to apply the battery \_category or battery \_size filters to the above queries you can use WHERE clause. Follow some of below examples.

SELECT Top 5 battery \_name, COUNT (DISTINCT order\_id) AS Total\_Orders

FROM ev\_batteries

WHERE battery \_category = 'Classic'

GROUP BY battery \_name

ORDER BY Total\_Orders ASC