# Sales Trend Analysis(2018) Using SQL

### Query 1:

```
SELECT

EXTRACT(YEAR FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y')) AS Year,

EXTRACT(MONTH FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y')) AS Month,

SUM(d.Amount) AS Revenue,

COUNT(DISTINCT o.`Order ID`) AS Order_Volume

FROM orders o

JOIN details d
ON o.`Order ID` = d.`Order ID`
GROUP BY

EXTRACT(YEAR FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y')),

EXTRACT(MONTH FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y'))
ORDER BY Year, Month;
```

#### **Result Table:**

	Result Grid				
	Year	Month	Revenue	Order_Volume	
•	2018	1	61632	61	
	2018	2	38962	54	
	2018	3	60694	58	
	2018	4	34330	44	
	2018	5	29093	31	
	2018	6	23658	30	
	2018	7	12966	31	
	2018	8	31492	31	
	2018	9	27283	30	
	2018	10	31613	43	
	2018	11	48469	46	
	2018	12	37579	41	

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## Query 2:

```
SELECT

EXTRACT(YEAR FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y')) AS Year,

DATE_FORMAT(STR_TO_DATE(o.`Order Date`, '%d-%m-%Y'), '%M') AS Month,

SUM(d.Amount) AS Revenue,

COUNT(DISTINCT o.`Order ID`) AS Order_Volume

FROM orders o

JOIN details d

ON o.`Order ID` = d.`Order ID`

GROUP BY

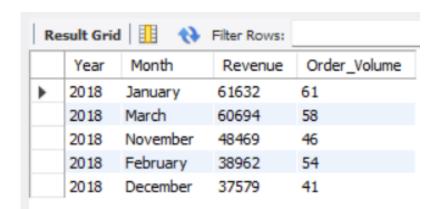
EXTRACT(YEAR FROM STR_TO_DATE(o.`Order Date`, '%d-%m-%Y')),

DATE_FORMAT(STR_TO_DATE(o.`Order Date`, '%d-%m-%Y'), '%M')

ORDER BY Revenue DESC

LIMIT 5;
```

#### **Result Table:**



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# Sales Trend Summary (2018)

The above results table presents the monthly sales trend for the year 2018. It includes total revenue (Revenue) and the number of unique orders (Order\_Volume) for each month. The

data has been grouped by month and Year and sorted chronologically to help identify sales patterns and peak periods throughout the year.
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