Sales Trend Analysis(2018) Using SQL

Query 1:

```sql
-- Monthly Revenue and Order Volume ---

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 | Filter Rows:

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

Query 2:

```
-- Monthly Revenue and Order Volume in 1st 6 months--

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
LIMIT 6;
```

Result Table:

Result Grid | Filter Rows: | Exp

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

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.
