Result Table

A. Use EXTRACT(MONTH FROM order_date) for month

SELECT

   EXTRACT(MONTH FROM order_date) AS month

FROM details;

	month
▶	3
	2
	1
	12
	8
	1
	1
	3
	10
	4
	11
	1
	3
	2
	11
	8
	12
	10

Result Table

B. GROUP BY year/month

SELECT

   EXTRACT(YEAR FROM order_date) AS year,

   EXTRACT(MONTH FROM order_date) AS month

FROM details

GROUP BY

   EXTRACT(YEAR FROM order_date),

   EXTRACT(MONTH FROM order_date);

year	month
2018	3
2018	2
2018	1
2018	12
2018	8
2018	10
2018	4
2018	11
2018	9
2018	6
2018	7
2018	5

C. Use SUM() for revenue

SELECT

   EXTRACT(YEAR FROM order_date) AS year,

   EXTRACT(MONTH FROM order_date) AS month,

   SUM(Amount) AS total_revenue

FROM details

GROUP BY

   EXTRACT(YEAR FROM order_date),

   EXTRACT(MONTH FROM order_date);

year	month	total_revenue
2018	3	56880
2018	2	44244
2018	1	52171
2018	12	36137
2018	8	35079
2018	10	33652
2018	4	36537
2018	11	38606
2018	9	32701
2018	6	22432
2018	7	20217
2018	5	29115

D. COUNT(DISTINCT order_id) for volume

SELECT

   EXTRACT(YEAR FROM order_date) AS year,

   EXTRACT(MONTH FROM order_date) AS month,

   COUNT(DISTINCT `Order ID`) AS total_orders

FROM details

GROUP BY

   EXTRACT(YEAR FROM order_date),

   EXTRACT(MONTH FROM order_date);

year	month	total_orders
2018	1	150
2018	2	132
2018	3	147
2018	4	114
2018	5	82
2018	6	82
2018	7	83
2018	8	82
2018	9	79
2018	10	108
2018	11	113
2018	12	106

E. Use ORDER BY for sorting

SELECT

   EXTRACT(YEAR FROM order_date) AS year,

   EXTRACT(MONTH FROM order_date) AS month,

   SUM(Amount) AS total_revenue,

   COUNT(DISTINCT `Order ID`) AS total_orders

FROM details

GROUP BY

   EXTRACT(YEAR FROM order_date),

   EXTRACT(MONTH FROM order_date)

ORDER BY year, month;

year	month	total_revenue	total_orders
2018	1	52171	150
2018	2	44244	132
2018	3	56880	147
2018	4	36537	114
2018	5	29115	82
2018	6	22432	82
2018	7	20217	83
2018	8	35079	82
2018	9	32701	79
2018	10	33652	108
2018	11	38606	113
2018	12	36137	106

F. Limit results for specific time periods

SELECT

    EXTRACT(YEAR FROM order_date) AS year,

    EXTRACT(MONTH FROM order_date) AS month,

    SUM(Amount) AS total_revenue,

    COUNT(DISTINCT `Order ID`) AS total_orders

FROM details

WHERE order_date BETWEEN '2018-01-01' AND '2018-06-30'

GROUP BY

    EXTRACT(YEAR FROM order_date),

    EXTRACT(MONTH FROM order_date)

ORDER BY year, month;

	year	month	total_revenue	total_orders
▶	2018	1	52171	150
	2018	2	44244	132
	2018	3	56880	147
	2018	4	36537	114
	2018	5	29115	82
	2018	6	22432	82

F. Limit results for specific time periods