

TASK 6 : Sales Trend Analysis Using Aggregations

OBJECTIVE: Analyse monthly revenue and order volume

Use EXTRACT To extract month from the table :

SELECT

EXTRACT(MONTH FROM Date) AS order_month

FROM

task6

LIMIT 10;

TABLE FOR ORDER MONTH :

	order_month
▶	1
	1
	1
	1
	1
	1
	1
	1
	1
	1

GROUP BY AND ORDER BY year/month :

SELECT

EXTRACT(YEAR FROM Date) AS order_year,

EXTRACT(MONTH FROM Date) AS order_month

FROM

task6

GROUP BY

order_year, order_month

LIMIT 10;

TABLE FOR ORDER MONTH AND YEAR :

	order_year	order_month
▶	2024	1
	2024	2
	2024	3
	2024	4
	2024	5
	2024	6
	2024	7
	2024	8

Use SUM() for total annual revenue :

SELECT

EXTRACT(YEAR FROM Date) AS order_year,
EXTRACT(MONTH FROM Date) AS order_month,
SUM(`Total Revenue`) AS total_revenue

FROM

task6

GROUP BY

order_year, order_month;

TABLE FOR TOTAL REVENUE GENERATED :

	order_year	order_month	total_revenue
▶	2024	1	14548.319999999992
	2024	2	10803.369999999999
	2024	3	12849.239999999996
	2024	4	12451.689999999995
	2024	5	8455.49
	2024	6	7384.549999999998
	2024	7	6797.08
	2024	8	7278.109999999999

Use COUNT for analysing the volume :

SELECT

EXTRACT(YEAR FROM Date) AS order_year,

```

    EXTRACT(MONTH FROM Date) AS order_month,
    COUNT(DISTINCT `Transaction ID`) AS total_orders
FROM
    task6
GROUP BY
    order_year, order_month;

```

TABLE FOR ORDER VOLUME :

	order_year	order_month	total_orders
►	2024	1	31
	2024	2	29
	2024	3	31
	2024	4	30
	2024	5	31
	2024	6	30
	2024	7	31
	2024	8	27