

Onlines Sales Result Table

A) Extract month from order_date -

```
SELECT MONTH(order_date) AS order_month  
FROM company.online_sales  
LIMIT 10;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
order_month				
4				
3				
9				
4				
3				
12				
1				
9				
5				
4				

B) Extract year from order_date –

```
SELECT YEAR(order_date) AS order_year  
FROM company.online_sales  
LIMIT 10;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
order_year				
2023				
2024				
2023				
2023				
2023				
2024				
2023				
2024				
2023				
2024				

C) Group by year and month –

```
SELECT  
    YEAR(order_date) AS order_year,  
    MONTH(order_date) AS order_month  
FROM company.online_sales  
GROUP BY YEAR(order_date), MONTH(order_date)  
ORDER BY order_year, order_month;
```

	order_year	order_month
▶	2023	1
	2023	2
	2023	3
	2023	4
	2023	5
	2023	6
	2023	7
	2023	8
	2023	9
	2023	10
	2023	11
	2023	12
	2024	1
	2024	2
	2024	3
	2024	4
	2024	5
	2024	6
	2024	7
	2024	8
	2024	9
	2024	10
	2024	11
	2024	12

D) Calculate total revenue (SUM of amount) –

```

SELECT
    YEAR(order_date) AS order_year,
    MONTH(order_date) AS order_month,
    SUM(amount) AS total_revenue
FROM company.online_sales
GROUP BY YEAR(order_date), MONTH(order_date)
ORDER BY order_year, order_month;

```

	order_year	order_month	total_revenue
▶	2023	1	14233.499999999998
	2023	2	11669.51
	2023	3	10354.08
	2023	4	14214.269999999995
	2023	5	11092.989999999998
	2023	6	8712.220000000001
	2023	7	9438.259999999997
	2023	8	14169.229999999998
	2023	9	9088.619999999997
	2023	10	8621.12
	2023	11	6969.000000000002
	2023	12	9980.08

2024	1	10801.130000000003
2024	2	10102.809999999998
2024	3	8598.89
2024	4	10155.819999999998
2024	5	12757.940000000002
2024	6	7454.490000000002
2024	7	12659.48
2024	8	7240.41
2024	9	11032.68
2024	10	14248.830000000005
2024	11	15910.650000000003
2024	12	9433.629999999997

E) Count unique order IDs (order volume) –

```

SELECT
    YEAR(order_date) AS order_year,
    MONTH(order_date) AS order_month,
    COUNT(DISTINCT order_id) AS order_volume
FROM company.online_sales
GROUP BY YEAR(order_date), MONTH(order_date)
ORDER BY order_year, order_month;

```

	order_year	order_month	order_volume
▶	2023	1	45
	2023	2	46
	2023	3	36
	2023	4	52
	2023	5	44
	2023	6	37
	2023	7	39
	2023	8	50
	2023	9	40
	2023	10	31
	2023	11	29
	2023	12	38
	2024	1	44
	2024	2	40
	2024	3	35
	2024	4	40
	2024	5	49
	2024	6	31
	2024	7	45
	2024	8	25
	2024	9	39
	2024	10	53
	2024	11	51
	2024	12	35

F) Combine all: Final monthly revenue and volume analysis –

```
SELECT
    YEAR(order_date) AS order_year,
    MONTH(order_date) AS order_month,
    SUM(amount) AS total_revenue,
    COUNT(DISTINCT order_id) AS order_volume
FROM company.online_sales
GROUP BY YEAR(order_date), MONTH(order_date)
ORDER BY order_year, order_month
LIMIT 24;
```

	order_year	order_month	total_revenue	order_volume
▶	2023	1	14233.499999999998	45
	2023	2	11669.51	46
	2023	3	10354.08	36
	2023	4	14214.269999999995	52
	2023	5	11092.989999999998	44
	2023	6	8712.220000000001	37
	2023	7	9438.259999999997	39
	2023	8	14169.229999999998	50
	2023	9	9088.619999999997	40
	2023	10	8621.12	31
	2023	11	6969.000000000002	29
	2023	12	9980.08	38
	2024	1	10801.130000000003	44
	2024	2	10102.809999999998	40
	2024	3	8598.89	35
	2024	4	10155.819999999998	40
	2024	5	12757.940000000002	49
	2024	6	7454.490000000002	31
	2024	7	12659.48	45
	2024	8	7240.41	25
	2024	9	11032.68	39
	2024	10	14248.830000000005	53
	2024	11	15910.650000000003	51
	2024	12	9433.629999999997	35