☐ Total Revenue

  -- Total Revenue
SELECT CAST(SUM(sale_price) AS DECIMAL(10,2)) AS total_revenue
FROM Orders;

	total_revenue
1	2215858.70

☐ Total Profit

--Total Profit
SELECT CAST(SUM(profit) AS DECIMAL(10,2)) AS total_profit
FROM Orders;

	total_profit
1	205168.70

☐ Total Orders

--Total Orders
select count(order_id) as total_orders from Orders;

	total_orders
1	9994

☐ Total Revenue By Segment

select segment,sum(sale_price) as total_revenue from Orders
group by segment
order by total_revenue desc;

	segment	total_revenue
1	Consumer	1119696.00
2	Corporate	681657.70
3	Home Office	414505.00

☐ Top 10 Products by Sales

select top 10 product_id, sum(sale_price) as total_revenue from Orders
group by product_id
order by total_revenue desc;

	product_id	total_revenue
1	TEC-CO-10004722	59514.00
2	OFF-BI-10003527	26525.30
3	TEC-MA-10002412	21734.40
4	FUR-CH-10002024	21096.20
5	OFF-BI-10001359	19090.20
6	OFF-BI-10000545	18249.00
7	TEC-CO-10001449	18151.20
8	TEC-MA-10001127	17906.40
9	OFF-BI-10004995	17354.80
10	OFF-SU-10000151	16325.80

☐ Top 5 highest-selling products by region

with cte as (
select region,product_id,sum(sale_price) as sales
from Orders
group by region,product_id)

select * from (
select *
, row_number() over(partition by region order by sales desc) as rn
from cte) as A
where rn<=5;

	region	product_id	sales	rn
1	Central	TEC-CO-10004722	16975.00	1
2	Central	TEC-MA-10000822	13770.00	2
3	Central	OFF-BI-10001120	11056.50	3
4	Central	OFF-BI-10000545	10132.70	4
5	Central	OFF-BI-10004995	8416.10	5
6	East	TEC-CO-10004722	29099.00	1
7	East	TEC-MA-10001047	13767.00	2
8	East	FUR-BO-10004834	11274.10	3
9	East	OFF-BI-10001359	8463.60	4
10	East	TEC-CO-10001449	8316.00	5
11	South	TEC-MA-10002412	21734.40	1
12	South	TEC-MA-10001127	11116.40	2
13	South	OFF-BI-10001359	8053.20	3
14	South	TEC-MA-10004125	7840.00	4
15	South	OFF-BI-10003527	7391.40	5
16	West	TEC-CO-10004722	13440.00	1
17	West	OFF-SU-10000151	12592.30	2
18	West	FUR-CH-10001215	9604.00	3
19	West	OFF-BI-10003527	7804.80	4
20	West	TEC-AC-10003832	7722.70	5

☐ Monthly Sales Comparison Between 2022 and 2023

```sql
WITH monthly_sales AS (
  SELECT
    YEAR(order_date) AS year,
    MONTH(order_date) AS month,
    SUM(sale_price) AS total_sales
  FROM Orders
  WHERE YEAR(order_date) IN (2022, 2023)
  GROUP BY YEAR(order_date), MONTH(order_date)
)
SELECT
  month,
  SUM(CASE WHEN year = 2022 THEN total_sales ELSE 0 END) AS sales_2022,
  SUM(CASE WHEN year = 2023 THEN total_sales ELSE 0 END) AS sales_2023
FROM monthly_sales
GROUP BY month
ORDER BY month;
```

	month	sales_2022	sales_2023
1	1	94712.50	88632.60
2	2	90091.00	128124.20
3	3	80106.00	82512.30
4	4	95451.60	111568.60
5	5	79448.30	86447.90
6	6	94170.50	68976.50
7	7	78652.20	90563.80
8	8	104808.00	87733.60
9	9	79142.20	76658.60
10	10	118912.70	121061.50
11	11	84225.30	75432.80
12	12	95869.90	102556.10

☐ Highest Monthly Sales for Each Product Category

with cte as (select category , month(order_date) as max_sale_month , sum(sale_price) as total_sales from Orders
group by category, month(order_date))

select * from (select * , ROW_NUMBER() over (partition by category order by total_sales desc) as rn
from cte)
as A
where rn = 1;

	category	max_sale_month	total_sales	rn
1	Furniture	8	71649.50	1
2	Office Supplies	2	77959.50	1
3	Technology	10	103021.10	1