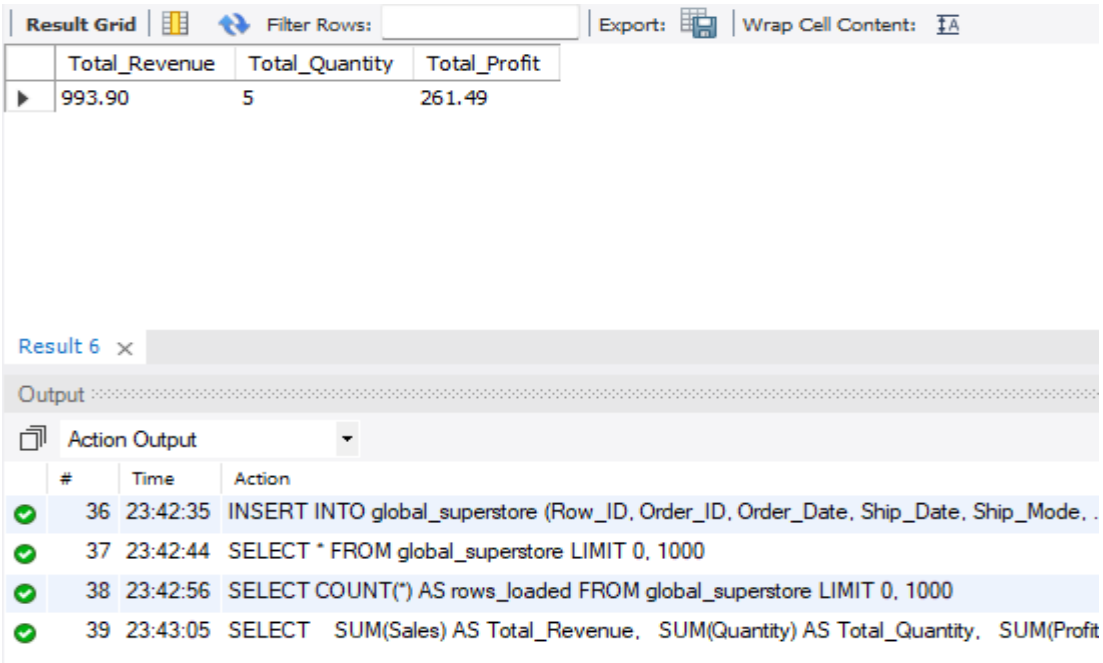
```
CREATE DATABASE IF NOT EXISTS global_superstore;

USE global_superstore;

CREATE TABLE IF NOT EXISTS global_superstore (
  Row_ID INT,
  Order_ID VARCHAR(50),
  Order_Date DATE,
  Ship_Date DATE,
  Ship_Mode VARCHAR(50),
  Customer_ID VARCHAR(50),
  Customer_Name VARCHAR(200),
  Segment VARCHAR(50),
  Country VARCHAR(100),
  City VARCHAR(100),
  State VARCHAR(100),
  Postal_Code VARCHAR(20),
  Region VARCHAR(50),
  Product_ID VARCHAR(50),
  Category VARCHAR(100),
  Sub_Category VARCHAR(100),
  Product_Name VARCHAR(255),
  Sales DECIMAL(15,2),
  Quantity INT,
  Discount DECIMAL(5,2),
  Profit DECIMAL(15,2)
);

INSERT INTO global_superstore
(Row_ID, Order_ID, Order_Date, Ship_Date, Ship_Mode, Customer_ID, Customer_Name, Segment, Country, City, State, Postal_Code, Region, Product_ID, Category, Sub_Category, Product_Name, Sales, Quantity, Discount, Profit)
VALUES
```

(1,'CA-2018-152156','2018-11-08','2018-11-11','Second Class','CG-12520','Claire Gute','Consumer','United States','Henderson','Kentucky','42420','South','FUR-BO-10001798','Furniture','Bookcases','Bush Somerset Collection Bookcase',261.96,2,0.0,41.91),

(2,'CA-2018-152156','2018-11-08','2018-11-11','Second Class','CG-12520','Claire Gute','Consumer','United States','Henderson','Kentucky','42420','South','FUR-CH-10000454','Furniture','Chairs','Hon Deluxe Fabric Task Chair',731.94,3,0.0,219.58);

```
SELECT * FROM global_superstore;


SELECT COUNT(*) AS rows_loaded FROM global_superstore;


-- Global Superstore Data Analysis using SQL

-- 1. Find the Total revenue, quantities and Profit generated.

SELECT

  SUM(Sales) AS Total_Revenue,

  SUM(Quantity) AS Total_Quantity,

  SUM(Profit) AS Total_Profit

FROM global_superstore;
```

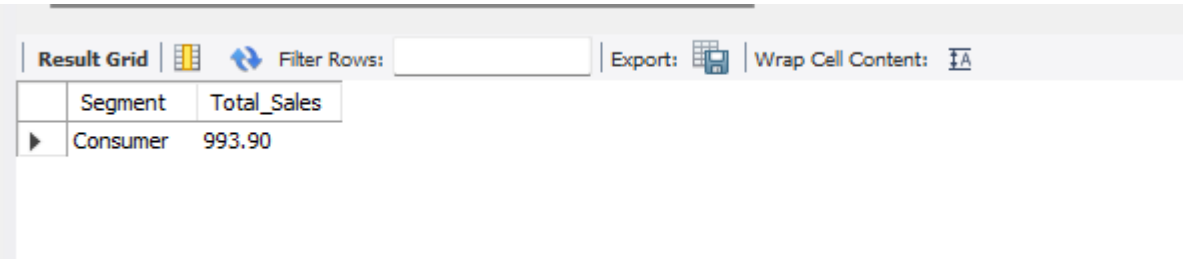
ANSWER:



2. Find the Segment wise distribution of the Sales.

```
SELECT

  Segment,
```

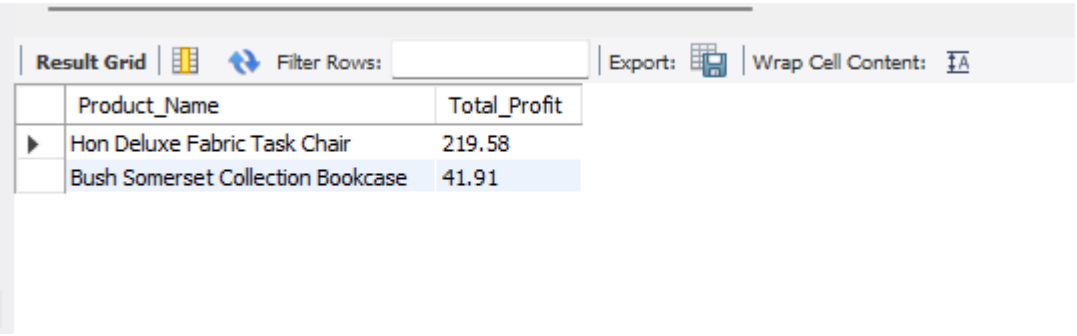
```
  SUM(Sales) AS Total_Sales
FROM global_superstore
GROUP BY Segment
ORDER BY Total_Sales DESC;
```



Segment	Total_Sales
Consumer	993.90

3. Find the top 3 most profitable Products.

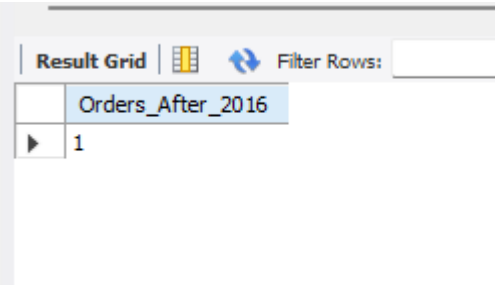
```
SELECT
  Product_Name,
  SUM(Profit) AS Total_Profit
FROM global_superstore
GROUP BY Product_Name
ORDER BY Total_Profit DESC
LIMIT 3;
```



Product_Name	Total_Profit
Hon Deluxe Fabric Task Chair	219.58
Bush Somerset Collection Bookcase	41.91

4. How many orders are placed after January 2016.

```
SELECT
  COUNT(DISTINCT Order_ID) AS Orders_After_2016
FROM global_superstore
WHERE Order_Date > '2016-01-01';
```

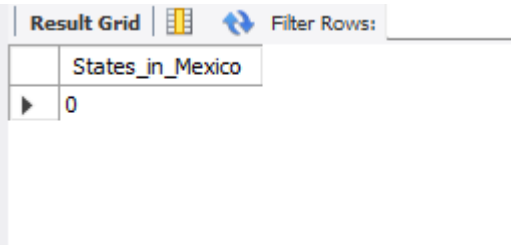


Result Grid | Filter Rows:

	Orders_After_2016
▶	1

5. How many states from Mexico are under the roof of business?

```
SELECT COUNT(DISTINCT State) AS States_in_Mexico
FROM global_superstore
WHERE Country = 'Mexico';
```

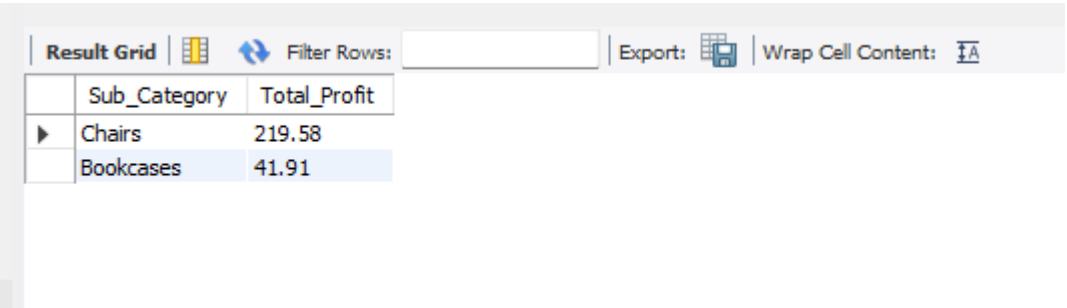


Result Grid | Filter Rows:

	States_in_Mexico
▶	0

6. which products and subcategories are most and least profitable ?

```
SELECT
  Sub_Category,
  SUM(Profit) AS Total_Profit
FROM global_superstore
GROUP BY Sub_Category
ORDER BY Total_Profit DESC;
```



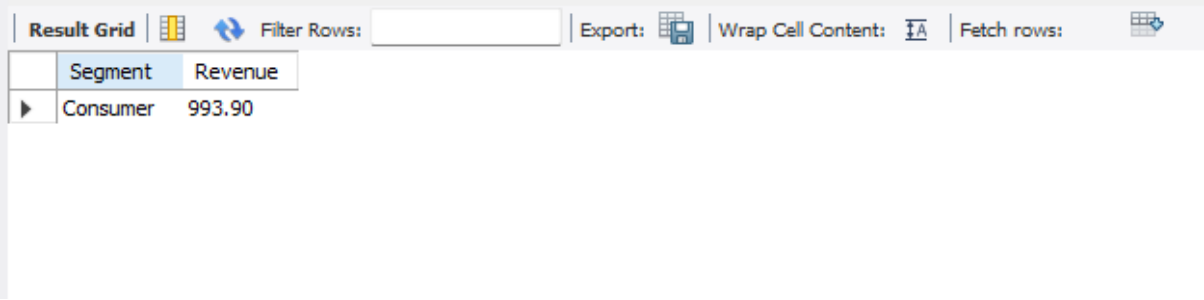
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Sub_Category	Total_Profit
▶	Chairs	219.58
	Bookcases	41.91

7. Which customer segment contributes the most to the total revenue?

```
SELECT
  Segment,
  SUM(Sales) AS Revenue
FROM global_superstore
```

```
GROUP BY Segment
ORDER BY Revenue DESC
LIMIT 1;
```

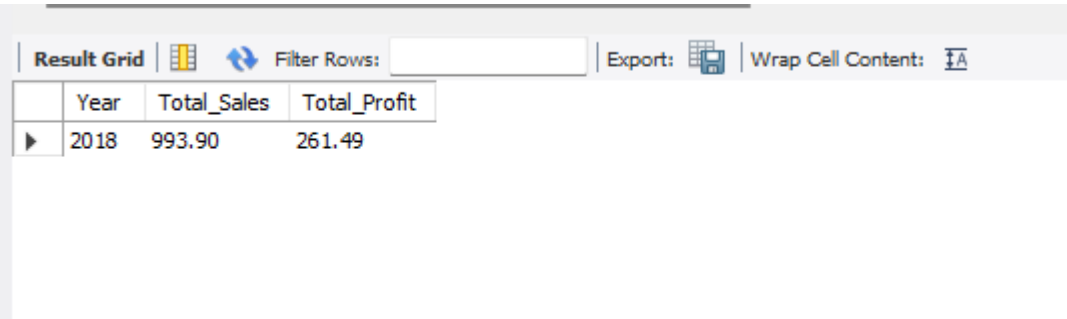


Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Segment	Revenue
Consumer	993.90

8. What is the year-over-year growth in sales and Profit?

```
SELECT
  YEAR(Order_Date) AS Year,
  SUM(Sales) AS Total_Sales,
  SUM(Profit) AS Total_Profit
FROM global_superstore
GROUP BY YEAR(Order_Date)
ORDER BY Year;
```

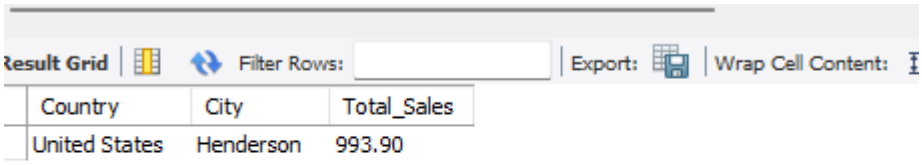


Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Year	Total_Sales	Total_Profit
2018	993.90	261.49

9. Which countries and cities are driving the highest sales?

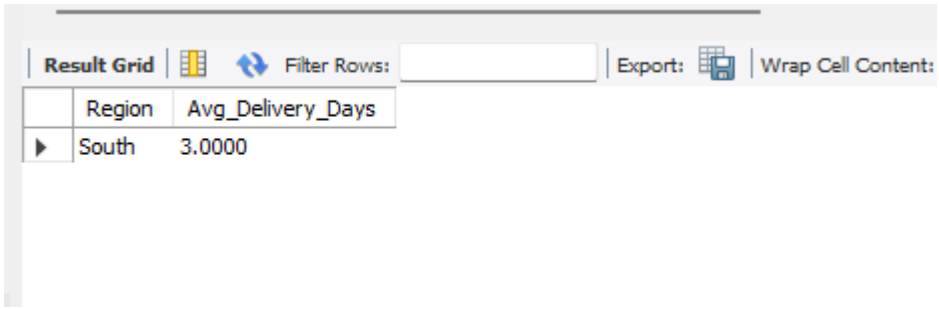
```
SELECT
  Country,
  City,
  SUM(Sales) AS Total_Sales
FROM global_superstore
GROUP BY Country, City
ORDER BY Total_Sales DESC
LIMIT 10;
```



Country	City	Total_Sales
United States	Henderson	993.90

10. What is the average delivery time from order to ship date across regions?

```
SELECT
  Region,
  AVG(DATEDIFF(Ship_Date, Order_Date)) AS Avg_Delivery_Days
FROM global_superstore
GROUP BY Region
ORDER BY Avg_Delivery_Days;
```



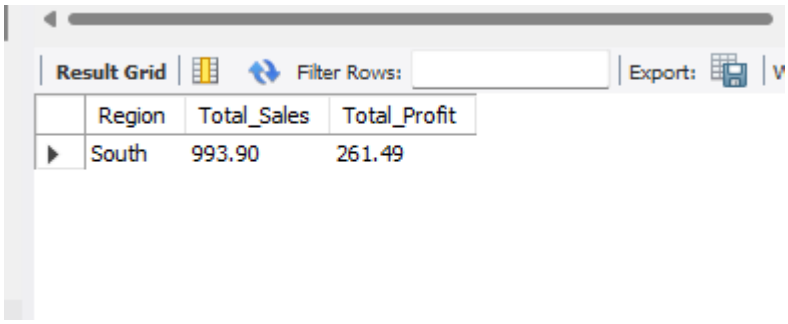
Region	Avg_Delivery_Days
South	3.0000

11. what is the profit distribution across order priority?

12. Suggest data-driven recommendations for improving profit and reducing losses.

```
SELECT
    ROUND(Discount, 2) AS Discount_Level,
    SUM(Sales) AS Total_Sales,
    SUM(Profit) AS Total_Profit
FROM global_superstore
GROUP BY ROUND(Discount, 2)
ORDER BY Discount_Level;
SELECT
    Region,
    SUM(Sales) AS Total_Sales,
    SUM(Profit) AS Total_Profit
```

```
FROM global_superstore
GROUP BY Region
ORDER BY Total_Profit DESC;
```



Region	Total_Sales	Total_Profit
South	993.90	261.49