

1. FIND THE TOTAL REVENUE GENERATED

SELECT

 SUM(Sales) AS Total_Revenue

FROM

 SUPERSTORE;

Total_Revenue
1174336.6362799979

2. FIND THE SEGMENT WISE DISTRIBUTION OF THE SALES

SELECT

 Segment,

 SUM(Sales) AS Total_Sales

FROM

 SUPERSTORE

GROUP BY

 Segment

ORDER BY

 Total_Sales DESC;

The screenshot shows a 'Result Grid' interface with a toolbar at the top containing icons for Result Grid, Filter Rows, and Export. The grid displays three rows of data:

	Segment	Total_Sales
▶	Consumer	624094.8519599998
	Corporate	350747.61732000054
	Home Office	199494.16700000007

3. FIND THE TOP 3 MOST PROFITABLE PRODUCT

SELECT

'Product NAME',
SUM(Profit) AS Total_Profit

FROM

SUPERSTORE

GROUP BY

'Product NAME'

ORDER BY

Total_Profit DESC

LIMIT 3;

Result Grid | Filter Rows:

	Product NAME	Total_Profit
▶	Product NAME	134146.21628000017

4. HOW MANY ORDERS ARE PLACED AFTER JANUARY 2016

SELECT

```
COUNT(DISTINCT 'Order ID') AS Orders_After_Jan_2016  
FROM  
    SUPERSTORE  
WHERE  
    'Order Date' > '2016-01-31';
```

Result Grid | Filter Rows:

	Orders_After_Jan_2016
▶	1

5. HOW MANY STATES FROM MEXICO ARE UNDER THE ROOF OF BUSINESS

SELECT

```
COUNT(DISTINCT State) AS Total_States_In_Mexico
```

```
FROM  
SUPERSTORE  
WHERE  
Country = 'AUSTRIA';
```

Result Grid 	
	Total_States
▶	6

6. WHICH PRODUCT AND SUBCATEGORIES ARE MOST AND LEAST PROFITABLE

```
(SELECT  
`Product Name`, `Sub-Category`,  
SUM(Profit) AS Total_Profit  
FROM  
SUPERSTORE  
GROUP BY  
`Product Name`, `Sub-Category`  
ORDER BY  
Total_Profit DESC  
LIMIT 1)
```

```
union all
(
SELECT
`Product Name`, `Sub-Category`,
SUM(Profit) AS Total_Profit
FROM
SUPERSTORE
GROUP BY
`Product Name`, `Sub-Category`
ORDER BY
Total_Profit ASC
LIMIT 1);
```

Result Grid Filter Rows: _____ Export: _____ Wrap Cell Content: _____			
	Product Name	Sub-Category	Total_Profit
▶	Sauder Classic Bookcase, Metal	Bookcases	2978.3700000000003
	Ikea Library with Doors, Traditional	Bookcases	-1748.1749999999997

7. WHICH CUSTOMER SEGMENT CONTRIBUTE THE MOST TO THE TOTAL REVENUE

```
SELECT
```

```
Segment,  
SUM(Sales) AS Total_Revenue  
FROM  
SUPERSTORE  
GROUP BY  
Segment  
ORDER BY  
Total_Revenue DESC  
LIMIT 1;
```

	Segment	Total_Revenue
▶	Consumer	624094.8519599998

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,  
ROUND(
```

```

(SUM(Sales) - LAG(SUM(Sales)) OVER (ORDER BY YEAR(` Order Date`)))
* 1000, 2
) AS Sales_Growth_Percent,
ROUND(
(SUM(Profit) - LAG(SUM(Profit)) OVER (ORDER BY YEAR(` Order Date`)))
/ NULLIF(LAG(SUM(Profit)) OVER (ORDER BY YEAR('Order Date')), 2) * 1000, 2
) AS Profit_Growth_Percent
FROM superstore
GROUP BY YEAR(` Order Date`)
ORDER BY Year(` Order Date`);
```

	year	Total_Sales	Total_Profit	Sales_Growth_Percent	Profit_Growth_Percent
▶	NULL	1174336.6362799979	134146.21628000017	NULL	NULL

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

```

SELECT
Country,
City,
SUM(Sales) AS Total_Sales
```

```
FROM  
superstore  
GROUP BY  
Country, City  
ORDER BY  
Total_Sales DESC;
```

	Country	City	Total_Sales
	Australia	Melbourne	73843.54799999994
	Australia	Gold Coast	72626.92200000005
	Australia	Perth	64292.20199999997
	Austria	Vienna	62023.53000000002
	Australia	Adelaide	57896.71199999999
	Australia	Newcastle	46055.09399999999
	Australia	Wollongong	42247.185
	Australia	Canberra	33162.81
	Australia	Geelong	30997.026000000023
	Argentina	Buenos Aires	28576.474439999984
	Australia	Caloundra	17542.881

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

```
SELECT  
Region,
```

```

ROUND(AVG(DATEDIFF('Ship Date', 'Order Date')), 2) AS Avg_Days
FROM
  SUPERSTORE
GROUP BY
  Region
ORDER BY
  Avg_Days ASC;

```

Result Grid | Filter Rows:

	Region	Avg_Day
▶	Southern Asia	NULL
	Southern Europe	NULL
	North Africa	NULL
	Central Africa	NULL
	South America	NULL
	Western Asia	NULL
	Oceania	NULL
	Western Europe	NULL

11. what is the profit distribution across order priority?

```

SELECT
    `Order Priority`,
    SUM(Profit) AS Total_Profit,
    ROUND(AVG(Profit), 2) AS Avg_Profit,
    ROUND(SUM(Profit) * 100.0 / (SELECT SUM(Profit) FROM SUPERSTORE), 2) AS Percentage
FROM
    SUPERSTORE
GROUP BY
    `Order Priority`
ORDER BY
    Total_Profit DESC;

```

	Order Priority	Total_Profit	Avg_Profit	Percentage
▶	Medium	73509.69276000009	32.04	54.8
	High	46576.51983999997	36.7	34.72
	Critical	9776.81067999997	34.18	7.29
	Low	4283.192999999999	31.73	3.19

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

```

SELECT
'Category',
'Sub-Category',
'Product Name',
SUM(Sales) AS Total_Sales,
SUM(Profit) AS Total_Profit,
AVG(Discount) AS Avg_Discount
FROM superstore
GROUP BY 'Category', 'Sub-Category' , 'Product Name'
HAVING SUM(Profit) < 5 OR SUM(Profit) < 5.05 * SUM(Sales)
ORDER BY Total_Profit ASC;

```

Category	Sub-Category	Product Name	Total_Sales	Total_Profit	Avg_Discount
Furniture	Bookcases	Ikea Library with Doors, Traditional	6359.324999999999	-1748.174999999997	0.0000
Technology	Machines	Panasonic Inkjet, Red	2226.528	-1410.192	0.0000
Furniture	Tables	Chromcraft Conference Table, with Bottom Stor...	2356.209	-1335.291	0.5000
Furniture	Tables	Bevis Wood Table, with Bottom Storage	3361.743	-1056.807	0.0000
Furniture	Tables	Lesro Wood Table, Adjustable Height	2301.138	-953.442	0.0000
Furniture	Bookcases	Safco Classic Bookcase, Pine	2768.8500000000004	-909.9	0.0000
Furniture	Bookcases	Bush Library with Doors, Pine	2267.154	-872.886	0.0000
Furniture	Tables	Chromcraft Round Table, Rectangular	464.67	-836.43	1.0000
Furniture	Chairs	Office Star Executive Leather Armchair, Black	1682.748	-813.492	0.0000
Furniture	Tables	Lesro Conference Table, Adjustable Height	515.862	-773.838	1.0000
Furniture	Tables	Barricks Round Table, Adjustable Height	402.96	-725.36	1.0000
Technology	Machines	Okiidata Printer, Durable	1450.548	-652.752	0.0000
Furniture	Tables	Chromcraft Round Table, Fully Assembled	2951.991	-632.799	0.0000
Furniture	Chairs	Office Star Swivel Stool, Adjustable	3546.243	-630.207	0.0000
Furniture	Chairs	Novimex Executive Leather Armchair, Black	8746.845	-624.915	0.0000

