

Q.1) Find the total revenue, quantities and profit generated.

use indexing;

SELECT

SUM(Sales) AS Total_Revenue,

SUM(Quantity) AS Total_Quantity,

SUM(Profit) AS Total_Profit

FROM superstore;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	Total_Revenue	Total_Quantity	Total_Profit
▶	1174336.6362799979	14452	134146.21628000017

Q.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;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
	Segment	Total_Sales	
▶	Consumer	624094.8519599998	
	Corporate	350747.61732000054	
	Home Office	199494.16700000007	

Q.3) Find the top 3 most profitable products.

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:	Export:	Wrap Cell Content:	Fetch rows:
Product Name	total_profit				
Sauder Classic Bookcase, Metal	2978.3700000000003				
Nokia Smart Phone, with Caller ID	2887.594				
Novimex Executive Leather Armchair, Adjustable	2523.5519999999997				

Q.4) How many orders are placed after January 2016.

SELECT

COUNT(DISTINCT `Order ID`) AS total_orders_after_jan_2016

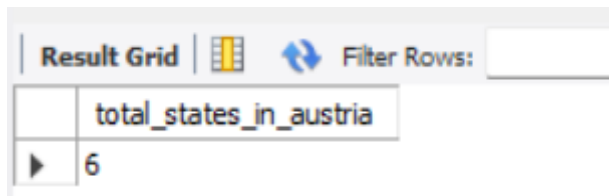
FROM superstore

WHERE STR_TO_DATE(`Order Date`, '%d-%m-%Y') > '2016-01-31';

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
total_orders_after_jan_2016				
1205				

Q.5) How many states from Austria are under the roof of business?

```
SELECT  
COUNT(DISTINCT `State`) AS total_states_in_austria  
FROM superstore  
WHERE Country = 'Austria';
```



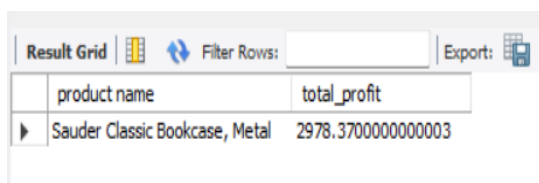
The screenshot shows a SQL query result grid. At the top, there is a tab labeled 'Result Grid' and a 'Filter Rows' input field. The grid contains one column named 'total_states_in_austria' and one row with the value '6'.

total_states_in_austria
6

Q.6) Which products and subcategories are most and least profitable?

-- Most profitable product

```
SELECT  
`product name`,  
SUM(profit) AS total_profit  
FROM superstore  
GROUP BY `product name`  
ORDER BY total_profit DESC  
LIMIT 1;
```



The screenshot shows a SQL query result grid. At the top, there is a tab labeled 'Result Grid', a 'Filter Rows' input field, and an 'Export' button. The grid contains two columns: 'product name' and 'total_profit'. The first row shows 'Sauder Classic Bookcase, Metal' with a total profit of 2978.3700000000003.

product name	total_profit
Sauder Classic Bookcase, Metal	2978.3700000000003

-- Least profitable product

SELECT

`product name`,

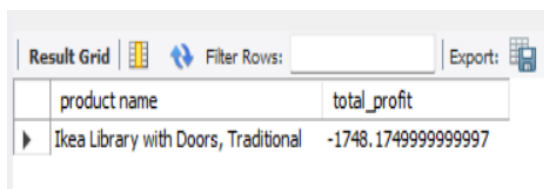
SUM(profit) AS total_profit

FROM superstore

GROUP BY `product name`

ORDER BY total_profit ASC

LIMIT 1;



The screenshot shows a SQL query result grid with two columns: 'product name' and 'total_profit'. The first row, which is highlighted, shows 'Ikea Library with Doors, Traditional' with a total profit of -1748.174999999997. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, and an 'Export' button.

product name	total_profit
Ikea Library with Doors, Traditional	-1748.174999999997

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

SELECT

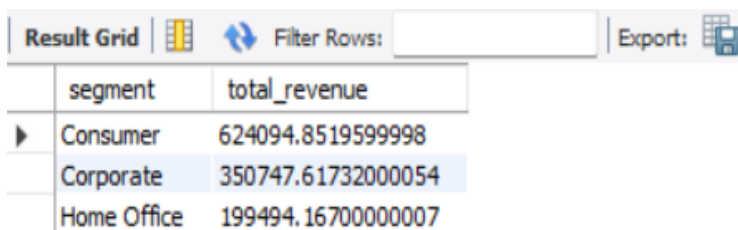
segment,

SUM(sales) AS total_revenue

FROM superstore

GROUP BY segment

ORDER BY total_revenue DESC;



The screenshot shows a SQL query result grid with two columns: 'segment' and 'total_revenue'. The results are ordered by total revenue in descending order. The first row is 'Consumer' with a total revenue of 624094.8519599998. The second row is 'Corporate' with a total revenue of 350747.61732000054. The third row is 'Home Office' with a total revenue of 199494.16700000007. The interface includes a 'Result Grid' tab, a 'Filter Rows' input field, and an 'Export' button.

segment	total_revenue
Consumer	624094.8519599998
Corporate	350747.61732000054
Home Office	199494.16700000007

Q.8) Wahat is the year-over-year growth in sales and profit?

```
SELECT  
YEAR(STR_TO_DATE(`Order Date`, '%d-%m-%Y')) AS order_year,  
SUM(sales) AS total_sales,  
SUM(profit) AS total_profit  
FROM superstore  
GROUP BY YEAR(STR_TO_DATE(`Order Date`, '%d-%m-%Y'))  
ORDER BY order_year;
```

Result Grid			
		Filter Rows:	Export:
	order_year	total_sales	total_profit
▶	2014	191180.61512000015	24989.545120000002
	2015	253645.95699999976	33521.22699999997
	2016	331950.63704000023	34228.79704000003
	2017	397559.42712000024	41406.64712000003

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

```
SELECT  
country,  
SUM(sales) AS total_sales  
FROM superstore  
GROUP BY country  
ORDER BY total_sales DESC  
limit 10;
```

Result Grid		
		Filter Rows:
		Export:
	country	total_sales
▶	Australia	925235.8530000002
	Austria	92539.04999999999
	Argentina	57511.78327999994
	Algeria	36091.58999999999
	Angola	25554.00000000001
	Afghanistan	21673.320000000003
	Azerbaijan	5631.5099999999975
	Bangladesh	5385.48
	Albania	3888.1199999999999
	Bahrain	669.18

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

```
SELECT  
region,  
ROUND(AVG(DATEDIFF(  
STR_TO_DATE(`Ship Date`, '%d-%m-%Y'),  
STR_TO_DATE(`Order Date`, '%d-%m-%Y')  
)), 2) AS avg_delivery_days  
FROM superstore  
GROUP BY region  
ORDER BY avg_delivery_days;
```

Result Grid			Filter Rows:	Export:
	region	avg_delivery_days		
▶	Western Asia	3.44		
	Southern Europe	3.63		
	South America	3.83		
	North Africa	3.85		
	Oceania	3.95		
	Western Europe	3.98		
	Central Africa	4.20		
	Southern Asia	4.52		

Q.11) what is the profit distribution across order priority?

```
SELECT  
`Order Priority`,  
SUM(profit) AS total_profit,  
ROUND(AVG(profit), 2) AS avg_profit_per_order  
FROM superstore  
GROUP BY `Order Priority`  
ORDER BY total_profit DESC;
```

Result Grid				Filter Rows:	Export:
	Order Priority	total_profit	avg_profit_per_order		
▶	Medium	73509.69276000009	32.04		
	High	46576.51983999997	36.7		
	Critical	9776.810679999997	34.18		
	Low	4283.192999999999	31.73		

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

SELECT

`Sub-Category`,

SUM(sales) AS total_sales,

SUM(profit) AS total_profit




FROM superstore

GROUP BY `Sub-Category`

ORDER BY

total_profit ASC

LIMIT 10;

Result Grid   Filter Rows: <input type="text"/> Export: 			
	Sub-Category	total_sales	total_profit
▶	Tables	60215.858999999999	-5042.5709999999997
	Fasteners	9270.7440000000006	882.0540000000001
	Labels	8075.60399999999975	1317.7739999999994
	Envelopes	16385.4839999999993	1410.9439999999993
	Supplies	24244.4760000000006	2505.1959999999998
	Paper	22673.0310000000006	3214.29100000000024
	Art	24695.373	3343.44299999999984
	Binders	24592.8899999999996	3446.91999999999973
	Furnishings	32568.4859999999997	4696.6060000000002
	Machines	59335.619999999999	6580.1599999999998