

1. Total Sales by Country

Query:

- ```
-- total sales by country
select country, sum(amount) as total_sales from sales
group by country
order by total_sales desc;
```

### Output:

| Result Grid | Filter Rows: |
|-------------|--------------|
| country     | total_sales  |
| Australia   | 3646458      |
| UK          | 3365384      |
| India       | 3343734      |
| USA         | 3313861      |
| Canada      | 3078504      |

## 2. Top 5 Products by Revenue:

### Query:

- ```
select product, sum(amount) as revenue from sales  
group by product  
order by revenue desc  
limit 5;
```

Output:

product	revenue
Smooth Sliky Salty	1120200
50% Dark Bites	1087657
White Choc	1054250
Peanut Butter Cubes	1036592
Eclairs	996952

3 Monthly Sales Trend

Query:

```
1 • select date_format(order_date, '%y-%m') as month,  
2      sum(amount) as monthly_sales from sales  
3      group by month  
4      order by month;
```

Output-

	month	monthly_sales
▶	22-01	896105
	22-02	699377
	22-03	749483
	22-04	674051
	22-05	752892

4. Top 5 Sales Representatives

Query:

```
• select salesman, sum(amount) as total_sales from sales  
  group by salesman  
  order by total_sales  
  limit 5;
```

Output:



	salesman	total_sales
▶	Wilone O'Kelt	439963
	Dotty Strutley	608101
	Camilla Castle	628620
	Mallorie Waber	642906
	Andria Kimpton	648213

5. Average Sale Amount per Country

Query:

```
• select country, avg(amount) as avg_sales from sales  
  group by country  
  order by avg_sales desc;
```

Output

3.   Filter Rows:

	country	avg_sales
▶	UK	6302.2172
	USA	6171.0633
	India	6057.4891
	Australia	5929.2000
	New Zealand	5864.4355

6. Revenue per Box Shipped

Query

```
SELECT  
  product, SUM(amount) / SUM(boxes_shipped) AS revenue_per_box  
FROM  
  sales  
GROUP BY product;
```

Output:

Result Grid			Filter Rows:
	product	revenue_per_box	
▶	Mint Chip Choco	35.9853	
	85% Dark Bars	40.0901	
	Peanut Butter Cubes	40.9090	
	Smooth Sliky Salty	41.5366	
	99% Dark & Pure	38.6833	

7. Rank Products by Sales (Window Function)

Query:

```
SELECT product, sum(amount) as total_sales,
rank() over (order by sum(amount) desc) as sales_rnk from sales
group by product;
```

Output:

	product	total_sales	sales_rnk
▶	Smooth Sliky Salty	1120200	1
	50% Dark Bites	1087657	2
	White Choc	1054250	3
	Peanut Butter Cubes	1036592	4
	Eclairs	996952	5

8. Sales Above Overall Average

Query

```
select * from sales
where amount > (select avg(amount) from sales);
```

Output:

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content: Fetch rows: <input type="text"/>						
salesman	Country	Product	order_date	Amount	Boxes_Shipped	
Van Tuxwell	India	85% Dark Bars	2022-08-01	7896	94	
Jan Morforth	Australia	Peanut Butter Cubes	2022-04-27	12726	342	
Jehu Rudeforth	UK	Peanut Butter Cubes	2022-02-24	13685	184	
Oby Sorrel	UK	99% Dark & Pure	2022-01-25	13685	176	
Marney O'Brien	New Zealand	Peanut Butter Cubes	2022-08-03	8379	173	

9. Country-wise Top Product

Query:

```
select country, product, total_sales from
(select country, product, sum(amount) as total_sales,
rank() over (partition by country order by sum(amount) desc) as rnk
from sales group by country, product) t
where rnk =1;
```

Output:



Result Grid Filter Rows: <input type="text"/> Export:			
	country	product	total_sales
▶	Australia	50% Dark Bites	280067
	Canada	Smooth Sliky Salty	218122
	India	Eclairs	252110
	New Zealand	Mint Chip Choco	277980
	UK	Peanut Butter Cubes	252099

10. Sales Categorization (CASE Statement)

Query

```
SELECT
    amount,
    CASE
        WHEN amount < 3000 THEN 'Low'
        WHEN Amount BETWEEN 3000 AND 7000 THEN 'Medium'
        ELSE 'High'
    END AS sales_category
from sales
```

Output:

Result Grid   Filter Rows:		
	amount	sales_category
▶	5320	Medium
	7896	High
	4501	Medium
	12726	High
	13685	High