

1. Total Sales by Country

Querie:

```
-- 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:

Querie:

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

Output:

Result Grid Filter Rows: _____		
	product	revenue
▶	Smooth Sliky Salty	1120200
	50% Dark Bites	1087657
	White Choc	1054250
	Peanut Butter Cubes	1036592
	Edairs	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'Kiel	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

The screenshot shows a database result grid with the following data:

|    | country     | avg_sales |
|----|-------------|-----------|
| ▶  | UK          | 6302.2172 |
|    | USA         | 6171.0633 |
|    | India       | 6057.4891 |
|    | Australia   | 5929.2000 |
| 3. | 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:

| 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: Export: Wrap Cell Content: Fetch rows:

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: Export: Wrap Cell Content: Fetch rows:

	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