

Query 1 - SELECT *

```
SELECT * FROM sales_orders LIMIT 10;
```

Query 2 - WHERE + ORDER BY

```
SELECT id, order_date FROM sales_orders WHERE user_id = 1 ORDER BY  
order_date DESC LIMIT 10;
```

Query 3 - GROUP BY + COUNT

```
SELECT strftime("%Y-%m", order_date) AS month, COUNT(id) AS total_orders  
FROM sales_orders GROUP BY month ORDER BY month;
```

Query 4 - INNER JOIN

```
SELECT  so.id AS order_id, so.order_date, u.username, u.email FROM  
sales_orders AS so INNER JOIN users AS u ON so.user_id = u.id LIMIT 10;
```

Query 5 - LEFT JOIN

```
SELECT  so.id    AS  order_id,  so.order_date,  op.product_id,  p.name    AS
product_name, op.quantity FROM sales_orders AS so LEFT JOIN order_products
AS op ON so.id = op.order_id LEFT JOIN products AS p ON op.product_id =
p.id LIMIT 10;
```

Query 6 - Subquery with AVG

```
SELECT id, order_date, total FROM sales_orders WHERE total > (SELECT  
AVG(total) FROM sales_orders) LIMIT 10;
```

Query 7 - Aggregate Functions

```
SELECT SUM(total) AS total_revenue, AVG(total) AS average_order_value FROM  
sales_orders;
```

Query 8 - Create Index

```
CREATE INDEX idx_sales_orders_order_date ON sales_orders (order_date);
```


View - Monthly Orders

```
CREATE VIEW monthly_orders AS SELECT strftime("%Y-%m", order_date) AS  
month, COUNT(id) AS total_orders FROM sales_orders GROUP BY month;
```