

```
USE model_car_db;
```

```
-- 1. Total sales by model
```

```
SELECT c.model, COUNT(s.sale_id) AS units_sold, SUM(s.sale_price) AS total_revenue  
FROM Sales s  
JOIN Cars c ON s.car_id = c.car_id  
GROUP BY c.model;
```

```
-- 2. Monthly sales trend
```

```
SELECT DATE_FORMAT(sale_date, '%Y-%m') AS sale_month,  
       COUNT(*) AS units_sold,  
       SUM(sale_price) AS revenue  
FROM Sales  
GROUP BY sale_month  
ORDER BY sale_month;
```

```
-- 3. Inventory levels by location
```

```
SELECT i.location, c.model, i.quantity  
FROM Inventory i  
JOIN Cars c ON i.car_id = c.car_id;
```

```
-- 4. Top customers by spend
```

```
SELECT cu.name, cu.email, SUM(s.sale_price) AS total_spent  
FROM Sales s  
JOIN Customers cu ON s.customer_id = cu.customer_id  
GROUP BY cu.customer_id  
ORDER BY total_spent DESC;
```

```
-- 5. Cars low in stock (quantity < 5)
```

```
SELECT c.model, i.location, i.quantity  
FROM Inventory i  
JOIN Cars c ON i.car_id = c.car_id  
WHERE i.quantity < 5;
```