**Retail Store Task :-**

**1. Total Number of Orders per Customer**

SELECT c.first\_name, c.last\_name, COUNT(o.order\_id) AS total\_orders

FROM Customers c

LEFT JOIN Orders o ON c.customer\_id = o.customer\_id

GROUP BY c.customer\_id;

**2. Total Sales Amount per Product**

SELECT p.product\_name, SUM(od.quantity \* od.unit\_price) AS total\_sales

FROM OrderDetails od

JOIN Products p ON od.product\_id = p.product\_id

GROUP BY p.product\_id;

**3. Most Expensive Product Sold**

SELECT product\_name, price

FROM Products

ORDER BY price DESC

LIMIT 1;

**4. Customers Who Placed Orders in the Last 30 Days**

SELECT DISTINCT c.first\_name, c.last\_name

FROM Customers c

JOIN Orders o ON c.customer\_id = o.customer\_id

WHERE o.order\_date >= CURRENT\_DATE - INTERVAL 30 DAY;

**5. Total Amount Paid by Each Customer**

SELECT c.first\_name, c.last\_name, SUM(p.payment\_amount) AS total\_paid

FROM Payments p

JOIN Orders o ON p.order\_id = o.order\_id

JOIN Customers c ON o.customer\_id = c.customer\_id

GROUP BY c.customer\_id;

**6. Number of Products Sold by Category**

SELECT p.category, SUM(od.quantity) AS total\_quantity\_sold

FROM OrderDetails od

JOIN Products p ON od.product\_id = p.product\_id

GROUP BY p.category;

**7. All Pending Orders**

SELECT \*

FROM Orders

WHERE order\_status = 'Pending';

**8. Average Order Value**

SELECT AVG(total\_amount) AS average\_order\_value

FROM Orders;

**9. Top 5 Customers Who Spent the Most**

SELECT c.first\_name, c.last\_name, SUM(p.payment\_amount) AS total\_spent

FROM Payments p

JOIN Orders o ON p.order\_id = o.order\_id

JOIN Customers c ON o.customer\_id = c.customer\_id

GROUP BY c.customer\_id

ORDER BY total\_spent DESC

LIMIT 5;

**10. Products Never Sold**

SELECT product\_name

FROM Products

WHERE product\_id NOT IN (

SELECT DISTINCT product\_id

FROM OrderDetails

);