-- Show first 10 rows

SELECT \* FROM superstore LIMIT 10;

-- Show only OrderID, CustomerName, and Sales

SELECT OrderID, CustomerName, Sales FROM superstore;

-- Orders with sales > 500

SELECT \* FROM superstore WHERE Sales > 500;

-- Orders shipped by Second Class

SELECT \* FROM superstore WHERE ShipMode = 'Second Class';

-- Orders in California

SELECT \* FROM superstore WHERE State = 'California';

-- Sort by Sales descending

SELECT \* FROM superstore ORDER BY Sales DESC;

-- Sort by OrderDate ascending

SELECT \* FROM superstore ORDER BY OrderDate ASC;

-- Total sales

SELECT SUM(Sales) AS TotalSales FROM superstore;

-- Average profit

SELECT AVG(Profit) AS AverageProfit FROM superstore;

-- Count total orders

SELECT COUNT(OrderID) AS TotalOrders FROM superstore;

-- Total sales per category

SELECT Category, SUM(Sales) AS TotalSales

FROM superstore

GROUP BY Category;

-- Average profit per state

SELECT State, AVG(Profit) AS AvgProfit

FROM superstore

GROUP BY State;

-- Count orders per ShipMode

SELECT ShipMode, COUNT(\*) AS OrdersCount

FROM superstore

GROUP BY ShipMode;

-- Categories with total sales > 10000

SELECT Category, SUM(Sales) AS TotalSales

FROM superstore

GROUP BY Category

HAVING TotalSales > 10000;

-- Orders with sales greater than average sales

SELECT \* FROM superstore

WHERE Sales > (SELECT AVG(Sales) FROM superstore);

-- Create view for top-selling products

CREATE VIEW TopProducts AS

SELECT ProductName, SUM(Sales) AS TotalSales

FROM superstore

GROUP BY ProductName

HAVING TotalSales > 5000;

-- Query the view

SELECT \* FROM TopProducts;

CREATE INDEX idx\_state ON superstore(State);

CREATE INDEX idx\_category ON superstore(Category);

-- Total sales per region

SELECT Region, SUM(Sales) AS TotalSales

FROM superstore

GROUP BY Region;

-- Top 5 customers by total profit

SELECT CustomerName, SUM(Profit) AS TotalProfit

FROM superstore

GROUP BY CustomerName

ORDER BY TotalProfit DESC

LIMIT 5;

-- Monthly sales trend (extract month from OrderDate)

SELECT MONTH(OrderDate) AS Month, SUM(Sales) AS TotalSales

FROM superstore

GROUP BY MONTH(OrderDate)

ORDER BY Month;