SELECT \* FROM inventory.`cleaned data`;

-- Top Selling Drugs:

SELECT DrugName, SUM(Final\_Sales) AS total\_sales

FROM inventory.projectfinaldata

GROUP BY DrugName

ORDER BY total\_sales DESC

LIMIT 10;

-- Sales Trend by Month:

SELECT YEAR(Dateofbill) AS year, MONTH(Dateofbill) AS month, SUM(Final\_Sales) AS monthly\_sales

FROM inventory.projectfinaldata

GROUP BY year, month

ORDER BY year, month;

-- Inventory Aging Analysis

SELECT DrugName,

DATEDIFF(MAX(Dateofbill), MIN(Dateofbill)) AS days\_in\_inventory,

SUM(Quantity) AS total\_purchased,

SUM(ReturnQuantity) AS total\_returned,

COUNT(\*) AS total\_sales

FROM inventory.projectfinaldata

GROUP BY DrugName

ORDER BY days\_in\_inventory DESC;

-- Category-wise Sales Distribution

SELECT SubCat, SUM(Final\_Sales) AS total\_sales

FROM inventory.projectfinaldata

GROUP BY SubCat

ORDER BY total\_sales DESC;

-- Sales vs. Cost Analysis:

SELECT DrugName, SUM(Final\_Sales) AS total\_sales, SUM(Final\_Cost) AS total\_cost

FROM inventory.projectfinaldata

GROUP BY DrugName

ORDER BY total\_sales DESC;

-- Most Frequent Buyers:

SELECT Patient\_ID, COUNT(\*) AS purchase\_count

FROM inventory.projectfinaldata

GROUP BY Patient\_ID

ORDER BY purchase\_count DESC

LIMIT 10;

-- Drug Usage by Department:

SELECT Dept, DrugName, SUM(Quantity) AS total\_used

FROM inventory.projectfinaldata

GROUP BY Dept, DrugName

ORDER BY total\_used DESC;