TABLE INFO :

SALES – Date, Order\_id, Item\_id, Customer\_id, Quantity, Revenue

ITEMS – Item\_id, Item\_name, price, department

CUSTOMERS- customer\_id, first\_name,last\_name,Address

1.Pull total number of orders that were completed on 18th March 2023.

SELECT COUNT(DISTINCT Order\_id) AS total\_orders

FROM SALES

WHERE DATE(Date) = '2023-03-18';

2.Pull total number of orders that were completed on 18th March 2023 with the first name ‘John’ and last name Doe’.

SELECT COUNT(DISTINCT s.Order\_id) AS total\_orders

FROM SALES s

JOIN CUSTOMERS c ON s.Customer\_id = c.customer\_id

WHERE DATE(s.Date) = '2023-03-18' AND c.first\_name = 'John' AND c.last\_name = 'Doe';

3.Pull total number of customers that purchased in January 2023 and the average amount spend per customer.

SELECT COUNT(DISTINCT Customer\_id) AS total\_customers, AVG(Revenue) AS average\_spent

FROM SALES

WHERE MONTH(Date) = 1 AND YEAR(Date) = 2023;

4.Pull the departments that generated less than $600 in 2022.

SELECT i.department, SUM(s.Revenue) AS total\_revenue

FROM SALES s

JOIN ITEMS i ON s.Item\_id = i.Item\_id

WHERE YEAR(s.Date) = 2022

GROUP BY i.department

HAVING total\_revenue < 600;

5.What is the most and least revenue we have generated by an order.

(SELECT Order\_id, SUM(Revenue) AS total\_revenue

FROM SALES

GROUP BY Order\_id

ORDER BY total\_revenue DESC

LIMIT 1)

UNION ALL

(SELECT Order\_id, SUM(Revenue) AS total\_revenue

FROM SALES

GROUP BY Order\_id

ORDER BY total\_revenue ASC

LIMIT 1);

6.What were the orders that were purchased in our most lucrative order.

CREATE TEMPORARY TABLE MostLucrativeOrder AS

SELECT Order\_id, SUM(Revenue) AS TotalRevenue

FROM SALES

GROUP BY Order\_id

ORDER BY TotalRevenue DESC

LIMIT 1;

SELECT s.Order\_id, s.Item\_id, s.Quantity

FROM SALES s

JOIN MostLucrativeOrder mlo ON s.Order\_id = mlo.Order\_id;