**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(\*) AS total\_orders

FROM SALES

WHERE 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(\*) AS total\_orders\_john\_doe

FROM SALES s

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

WHERE 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\_amount\_spend\_per\_customer

FROM SALES

WHERE Date >= '2023-01-01' AND Date < '2023-02-01';

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

SELECT department

FROM ITEMS i

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

WHERE YEAR(s.Date) = 2022

GROUP BY department

HAVING SUM(Revenue) < 600;

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

SELECT MAX(Revenue) AS most\_revenue,

MIN(Revenue) AS least\_revenue

FROM SALES;

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

SELECT \*

FROM SALES

WHERE Order\_id IN (SELECT Order\_id

FROM SALES

ORDER BY Revenue DESC

LIMIT 1);