**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

SQL queries:

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

SECLET COUNT(DISTINCT Order\_id)

FROM SALES

WHERE Date= ‘March 18 2023’;

**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)

FROM SALES S

INNER JOIN CUSTOMERS C

ON S. Customer\_id= C.Customer\_id

WHERE S. Date=’March 18 2023’,

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 C. customer\_id), AVG( S. revenue)

FROM CUSTOMERS C

INNER JOIN SALES S

ON C. customer\_id= S. customer\_id

WHERE S.date >= '2023-01-01' AND S.date < '2023-02-01';

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

SELECT I. DEPARTMENT

FROM ITEMS I

INNER JOIN SALES S

ON I. Item\_id= S.item\_id

WHERE S. Date=’2022’

GROUP BY I. DEPARTMENT

HAVING SUM(Revenue)<’600’;

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

SELECT Order\_id, MAX(Revenue), MIN(Revenue)

FROM SALES

GROUP BY Order\_id;

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

SELECT S. Order\_id, S. Item\_id, S. Revenue, I. Item\_id, I. Item\_name

FROM SALES S

INNER JOIN ITEM I

ON S. Item\_id= I. Item\_id

WHERE S. Item\_id=

(SELECT Order\_id

FROM SALES

GROUP BY Order\_id

ORDER BY SUM(Revenue) DSC);