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(Order\_id)

FROM SALES

WHERE Date LIKE '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(s.Order\_id)

FROM SALES s

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

WHERE s.Date LIKE '2023-03-18%' AND c.first\_name LIKE 'John' AND c.last\_name LIKE 'Doe';

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

SELECT COUNT(DISTINCT s.Customer\_id) AS Total\_Customers,

AVG(s.Revenue) AS Average\_Revenue\_Per\_Customer

FROM SALES s

GOUP BY s.Customer\_id

WHERE CAST(s.Date AS DATE) BETWEEN '2023-01-01' AND '2023-01-31';

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

SELECT i.department

FROM ITEMS i

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

WHERE YEAR(s.Date) = 2022

GROUP BY i.department

HAVING SUM(i.price \* s.Quantity) < 600;  
5.What is the most and least revenue we have generated by an order.

SELECT MAX(Revenue) AS Highest\_Revenue,

MIN(Revenue) AS Lowest\_Revenue

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

SELECT order\_id

FROM SALES

WHERE Revenue = (SELECT MAX(Revenue) FROM SALES);