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

SELECT COUNT(order\_id)

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(A.order\_id)

FROM sales as A

JOIN customers as B

ON A.customer\_id = B.customer\_id

WHERE A.Date= '2023-03-18'

AND B.first\_name = ‘John’

AND B.last\_name = ‘Doe’

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

SELECT AVG(Revenue)

COUNT(DISTINCT Customer\_id)

FROM sales

WHERE Date = ‘2023-01-%’

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

SELECT A.Department

SUM(B.Revenue) AS TotalRevenue

FROM items as A

JOIN sales as B

ON A.item\_id=B.item\_id

WHERE B.Date=2022-%-%

GROUP BY A.Department

HAVING TotalRevenue < 600

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

SELECT order\_id,

MIN(Revenue) AS least\_revenue,

MAX(Revenue) AS most\_revenue

FROM sales

GROUP BY order\_id

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

SELECT A.Order\_id, B.item\_name

FROM sales as A

JOIN items as B

ON A.item\_id = B.item\_id

WHERE A.Revenue = (SELECT MAX(Revenue) FROM sales);