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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

FROM Sales AS s

JOIN Customers AS c

ON s.Customer_id = c.Customer_id

WHERE 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_spend

FROM Sales

WHERE NOT (Date > '2023-01-31' OR Date < '2023-01-01');

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

SELECT Department

FROM Items

WHERE Item_id IN (SELECT Item_id FROM Sales

          WHERE NOT (Date > '2022-12-31' OR Date < '2022-01-01');

          GROUP BY Item_id

          HAVING SUM(Revenue) < 600);

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

SELECT MAX(revenue) AS max_revenue, MIN(revenue) AS min_revenue FROM sales;

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

SELECT i.Item_name

FROM Sales AS s

JOIN Items AS i

ON s.Item_id = i.Item_id

WHERE s.Revenue = (SELECT MAX(Revenue) FROM Sales);