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

SELECT COUNT(*) AS Total_Orders FROM SALES WHERE Date = '2023-03-18';

Pull total number of orders that were completed on 18th March 2023 with the first name ‘John’ and last name Doe’

SELECT COUNT(*) AS 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';

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 FROM SALES WHERE Date BETWEEN '2023-01-01' AND '2023-01-31';

Pull the departments that generated less than $600 in 2022

SELECT I.Department, SUM(S.Revenue) AS Total_Revenue FROM SALES S JOIN ITEMS I
ON S.Item_id = I.Item_id WHERE YEAR(S.Date) = 2022
GROUP BY I.Department HAVING SUM(S.Revenue) < 600;

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;

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

WITH Max_Revenue AS (SELECT Order_id FROM SALES ORDER BY Revenue DESC LIMIT 1)
SELECT S.Order_id, S.Item_id, S.Quantity, S.Revenue FROM SALES S JOIN Max_Revenue M ON S.Order_id = M.Order_id;