Rachel Lindor Data Science Bootcamp HW 4

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';

Output total_orders: 25

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 s

JOIN CUSTOMERS c ON s.Customer id = c.customer id

WHERE s.DATE = '2023-03-18'

AND c.first name = 'John'

Output total orders: 3

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

SELECT COUNT(DISTINCT c.customer id) AS total customers,

AVG(s.Revenue) AS average spent

FROM SALES s

JOIN CUSTOMERS c ON s.Customer id = c.customer id

WHERE s.DATE >= '2023-01-01'

AND s.DATE < '2023-02-01';

Output

total customers: 15

average spent: 120.75

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 s.DATE \geq '2022-01-01'

AND s.DATE < '2023-01-01'

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GROUP BY i.department
HAVING SUM(s.Revenue) < 600;
Output department:
Books, Kitchen Toys
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5. What is the most and least revenue we have generated by an order SELECT MIN(Revenue) AS least_revenue, MAX(Revenue) AS most_revenue FROM SALES;

Output

least_revenue: 5.00 most revenue: 1200.00

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