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

Answer:

```
SELECT
   COUNT(DISTINCT Order_id) AS total_orders
FROM
   SALES
WHERE
   Date = '03-18-2023';
```

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

Answer:

```
SELECT
   COUNT(DISTINCT s.Order_id) AS total_orders
FROM
   SALES s
      JOIN
   CUSTOMERS c ON s.customer_id = c.customer_id
WHERE
   s.Date = '03-18-2023'
      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

Answer:

```
SELECT
   COUNT(DISTINCT s.Customer_id) AS total_orders,
   AVG(Revenue) AS avg_revenue_per_customer
FROM
   SALES s
      JOIN
   CUSTOMERS c ON s.customer_id = c.customer_id
WHERE
   s.Date LIKE '%-%-2023';
```

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

```
SELECT
   department, SUM(Revenue) AS total_revenue
```

```
FROM
   SALES
      JOIN
   ITEMS ON SALES.Item_id = ITEMS.Item_id
GROUP BY department
HAVING SUM(Revenue) < 600;
```

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

Answer:

```
SELECT
   MIN(Revenue) AS least_revenue, MAX(Revenue) AS most_revenue
FROM
   SALES;
```

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

```
SELECT
   Item_name, Quantity, Price, Revenue
FROM
   SALES
      JOIN
   ITEMS ON SALES.Item_id = ITEMS.Item_id
WHERE
   Order_id = (SELECT
         Order_id
      FROM
         SALES
      ORDER BY Revenue DESC
      LIMIT 1);
```