

Use the following tables to work on the following prompts

TABLE INFO :

SALES – Date, Order_id, Item_id, Customer_id, Quantity, Revenue

ITEMS – Item_id, Item_name, price, department

CUSTOMERS- customer_id, first_name,last_name,Address

- 1.Pull total number of orders that were completed on 18th March 2023.
- 2.Pull total number of orders that were completed on 18th March 2023 with the first name 'John' and last name Doe'.
- 3.Pull total number of customers that purchased in January 2023 and the average amount spend per customer.
- 4.Pull the departments that generated less than \$600 in 2022.
- 5.What is the most and least revenue we have generated by an order.
- 6.What were the orders that were purchased in our most lucrative order.

1.

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

2.

```
SELECT COUNT(DISTINCT s.Order_id) AS num_orders
FROM SALES as s
JOIN CUSTOMERS AS c ON s.Customer_id = c.customer_id
WHERE s.Date = '2023-03-18'
AND c.first_name = 'John' AND c.last_name = 'Doe'
```

3.

```
SELECT COUNT(DISTINCT Customer_id) AS num_customers, AVG(Revenue) AS
avg_spending
FROM SALES
WHERE Date BETWEEN '2023-01-01' AND '2023-01-31'
```

4.

```
SELECT i.department
FROM SALES as s
JOIN ITEMS AS i ON s.Item_id = i.Item_id
WHERE s.Date BETWEEN '2022-01-01' AND '2022-12-31'
HAVING s.Revenue < 600
```

5.

```
SELECT MAX(Revenue) AS max_order, MIN(Revenue) AS min_order  
FROM SALES
```

6.

```
SELECT Order_id  
FROM SALES  
WHERE Revenue = (  
    SELECT MAX(Revenue)  
    FROM SALES);
```