#### Query 1: List all orders along with the customer name and product name.

```
--Query 1: List all orders along with the customer name and product name.

SELECT c.customername,o.orderid,o.orderdate,o.quantity,p.productname
FROM customers AS c
INNER JOIN orders AS o
ON c.customerid=o.customerid
INNER JOIN products AS p
ON o.productid=p.productid;
```

4	→ Results    ✓ Chart									
	A CUSTOMERNAME	# ORDERID	© ORDERDATE	# QUANTITY	A PRODUCTNAME					
1	Customer_1251	1	2023-06-10	10	Product_2014					
2	Customer_1236	2	2023-12-07	5	Product_2004					
3	Customer_1170	3	2024-10-26	9	Product_2171					
4	Customer_1344	4	2023-02-17	2	Product_2007					
5	Customer_1319	5	2024-11-06	2	Product_2061					
6	Customer_1185	6	2024-11-23	3	Product_2190					

#### Query 2: list of customers who ordered at least one order.

```
--Query 2: list of customers who ordered more at least one order

SELECT*FROM customers

INNER JOIN orders

ON customers.customerid=orders.customerid

WHERE quantity>=1;
```



# Query 3: List all customers and any orders they might have placed. Include customers who have not placed any orders.

```
--Query 3: List all customers and any orders they might have placed. Include customers who have not placed any orders.

SELECT *FROM customers

LEFT JOIN orders

ON customers.customerid=orders.customerid;
```

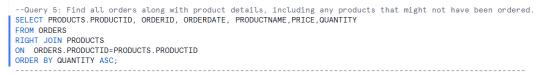
<b>(</b>	→ Results     ✓ Chart										
	# CUSTOMERID	A CUSTOMERNAME	A COUNTRY	# ORDERID	# CUSTOMERID	# PRODUCTID	# QUANTITY	© ORDERDATE			
1	1251	Customer_1251	Germany	1	1251	2014	10	2023-06-10			
2	1236	Customer_1236	Australia	2	1236	2004	5	2023-12-07			
3	1170	Customer_1170	Germany	3	1170	2171	9	2024-10-26			
4	1344	Customer_1344	Canada	4	1344	2007	2	2023-02-17			

#### Query 4: list all products and how many times each one was ordered:

```
--Query 4: list all products and how many times each one was ordered:
SELECT ORDERS.PRODUCTID,productname,count(orderid) AS total_orders
FROM orders
LEFT JOIN products
ON orders.PRODUCTID=products.productid
GROUP BY ORDERS.PRODUCTID,PRODUCTNAME
ORDER BY total_orders DESC;
```

esults							
# PRODUCTID	A PRODUCTNAME	# TOTAL_ORDERS					
2041	Product_2041		34				
2076	Product_2076		34				
2135	Product_2135		32				

### Query 5: Find all orders along with product details, including any products that might not have been ordered:

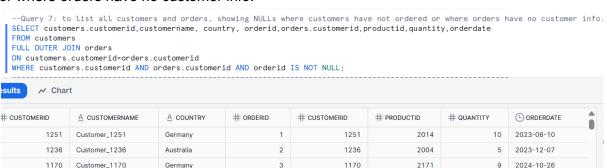


esults // Chart									
# PRODUCTID	# ORDERID	(L) ORDERDATE	A PRODUCTNAME	# PRICE	# QUANTITY				
2091	785	2024-09-25	Product_2091	563	1				
2200	2972	2023-05-28	Product_2200	330	1				
2178	3597	2024-06-05	Product_2178	1426	1				

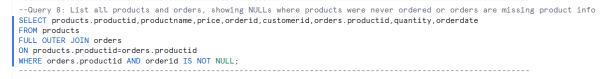
## Query 6: to find which customers have made orders, and include customers even if they have never placed an order:



### Query 7: to list all customers and orders, showing NULLs where customers have not ordered or where orders have no customer info:



## Query 8: List all products and orders, showing NULLs where products were never ordered or orders are missing product info:



sults // Chart								
‡ PRODUCTID	A PRODUCTNAME	# PRICE	# ORDERID	# CUSTOMERID	# PRODUCTID	# QUANTITY	(L) ORDERDATE	
2014	Product_2014	522	1	1251	2014	10	2023-06-10	
2004	Product_2004	1996	2	1236	2004	5	2023-12-07	
2171	Product_2171	76	3	1170	2171	9	2024-10-26	