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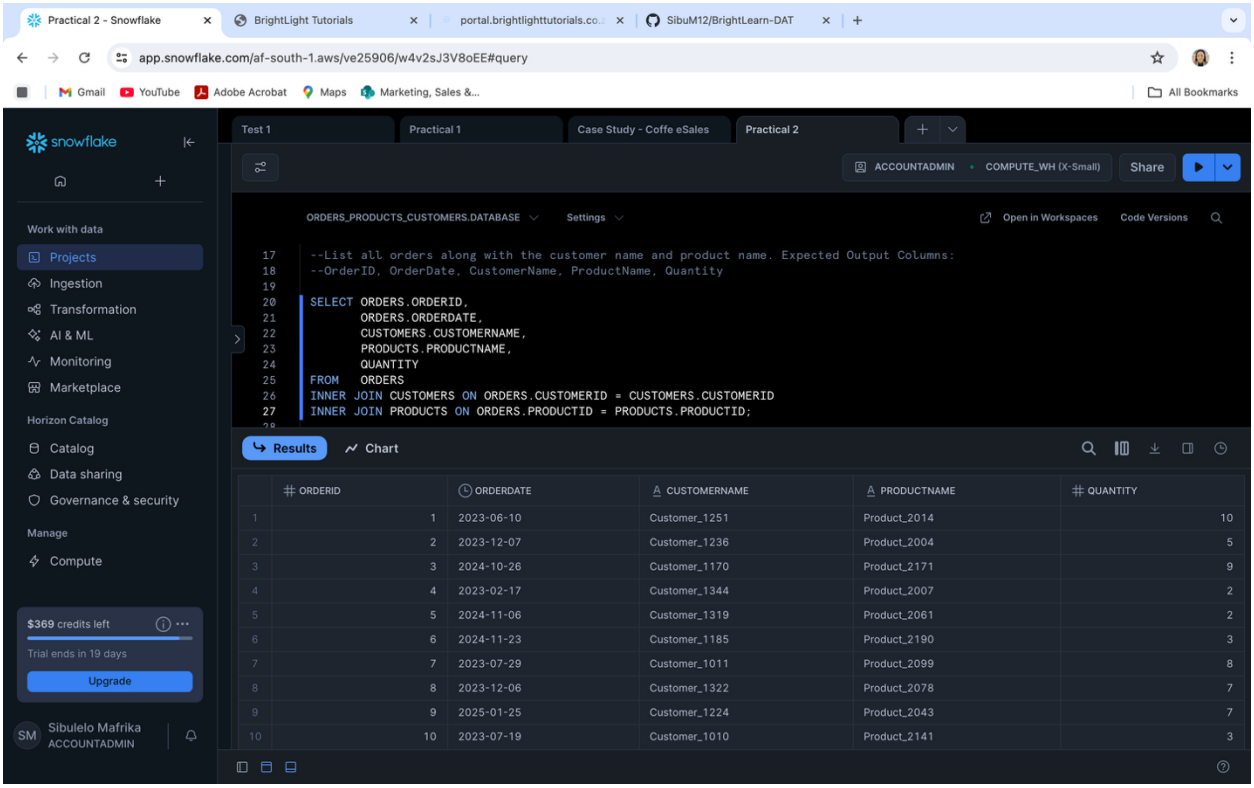
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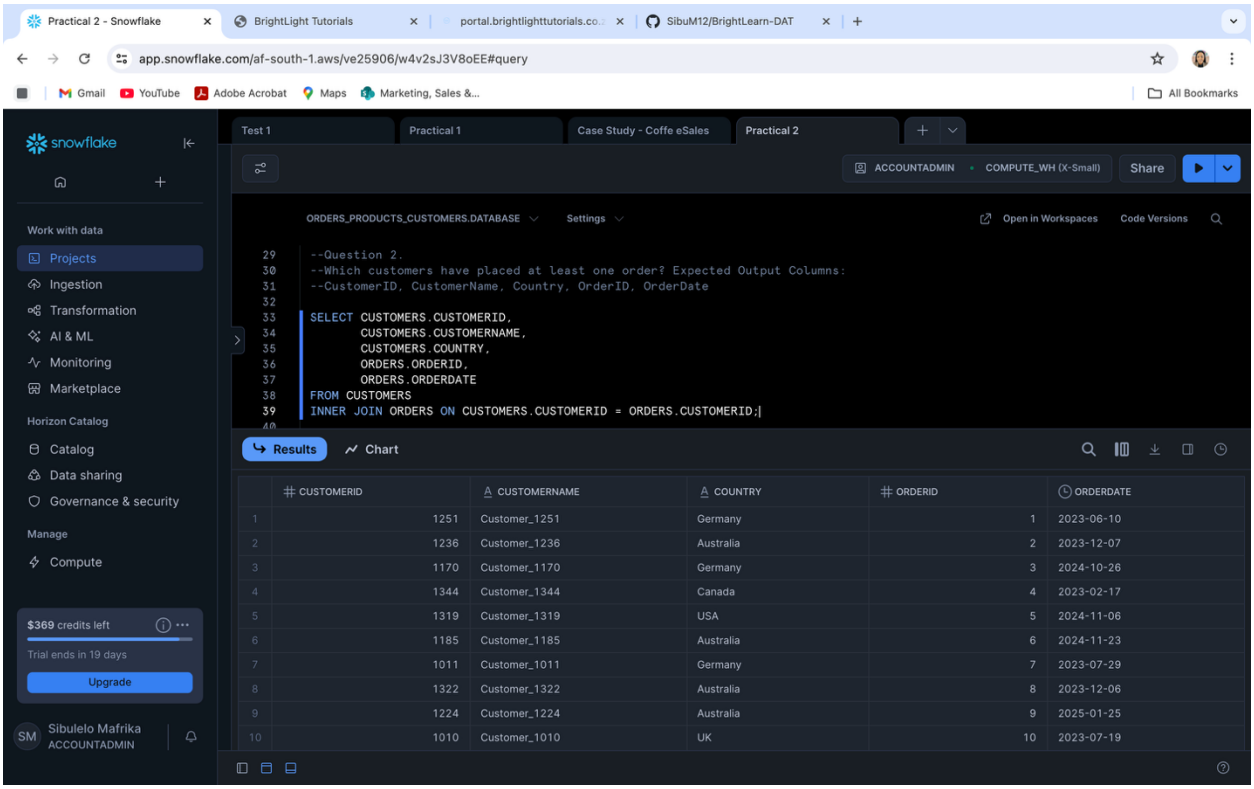
Code Versions
--List all orders along with the customer name and product name. Expected Output Columns:
--OrderID, OrderDate, CustomerName, ProductName, Quantity
SELECT ORDERS.ORDERID,
ORDERS.ORDERDATE,
CUSTOMERS.CUSTOMERNAME,
PRODUCTS.PRODUCTNAME,
QUANTITY
FROM ORDERS
INNER JOIN CUSTOMERS ON ORDERS.CUSTOMERID = CUSTOMERS.CUSTOMERID
INNER JOIN PRODUCTS ON ORDERS.PRODUCTID = PRODUCTS.PRODUCTID;
Results
Chart
ORDERID
ORDERDATE
CUSTOMERNAME
PRODUCTNAME
QUANTITY
1 1 2023-06-10 Customer_1251 Product_2014 10
2 2 2023-12-07 Customer_1236 Product_2004 5
3 3 2024-10-26 Customer_1170 Product_2171 9
4 4 2023-02-17 Customer_1344 Product_2007 2
5 5 2024-11-06 Customer_1319 Product_2061 2
6 6 2024-11-23 Customer_1185 Product_2190 3
7 7 2023-07-29 Customer_1011 Product_2099 8
8 8 2023-12-06 Customer_1322 Product_2078 7
9 9 2025-01-25 Customer_1224 Product_2043 7
10 10 2023-07-19 Customer_1010 Product_2141 3

2.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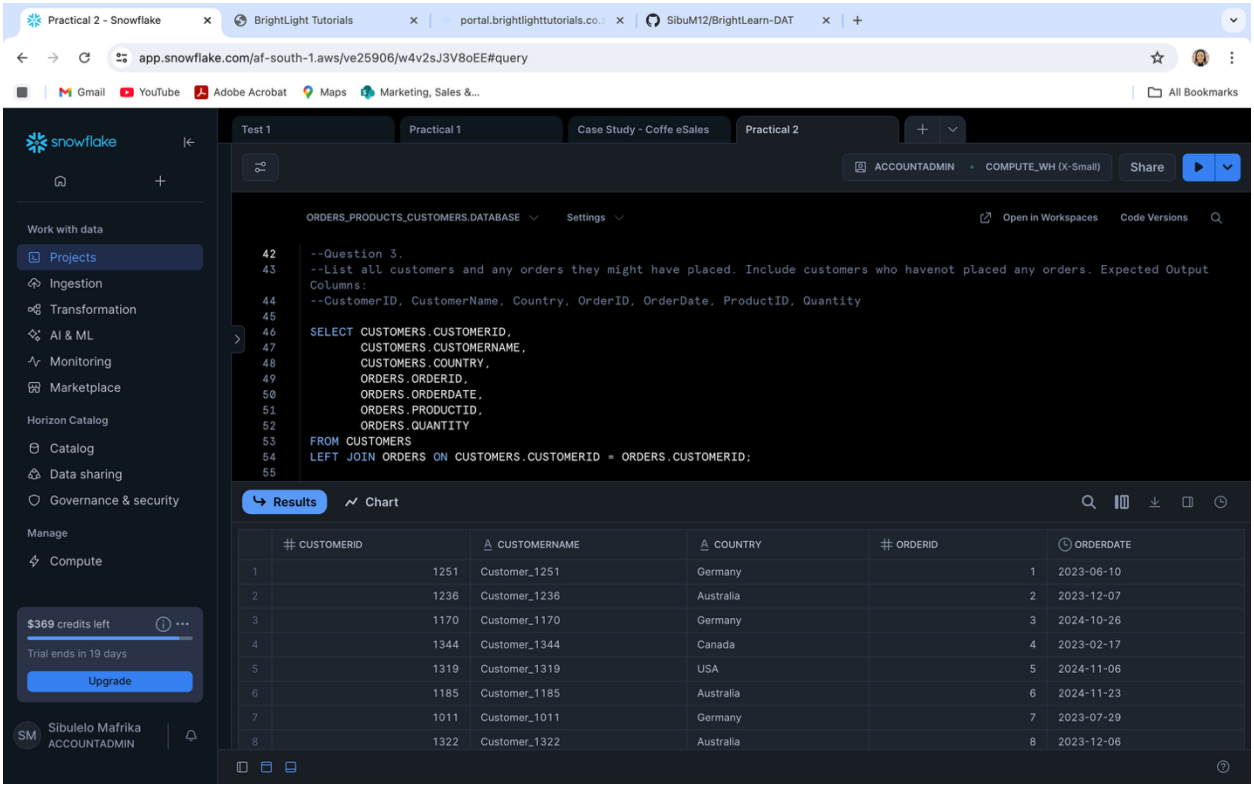
Settings
Open in Workspaces
Code Versions
--Question 2.
--Which customers have placed at least one order? Expected Output Columns:
--CustomerID, CustomerName, Country, OrderID, OrderDate
SELECT CUSTOMERS.CUSTOMERID,
CUSTOMERS.CUSTOMERNAME,
CUSTOMERS.COUNTRY,
ORDERS.ORDERID,
ORDERS.ORDERDATE
FROM CUSTOMERS
INNER JOIN ORDERS ON CUSTOMERS.CUSTOMERID = ORDERS.CUSTOMERID;
Results
Chart
CUSTOMERID
CUSTOMERNAME
COUNTRY
ORDERID
ORDERDATE
1 1251 Customer_1251 Germany 1 2023-06-10
2 1236 Customer_1236 Australia 2 2023-12-07
3 1170 Customer_1170 Germany 3 2024-10-26
4 1344 Customer_1344 Canada 4 2023-02-17
5 1319 Customer_1319 USA 5 2024-11-06
6 1185 Customer_1185 Australia 6 2024-11-23
7 1011 Customer_1011 Germany 7 2023-07-29
8 1322 Customer_1322 Australia 8 2023-12-06
9 1224 Customer_1224 Australia 9 2025-01-25
10 1010 Customer_1010 UK 10 2023-07-19

3.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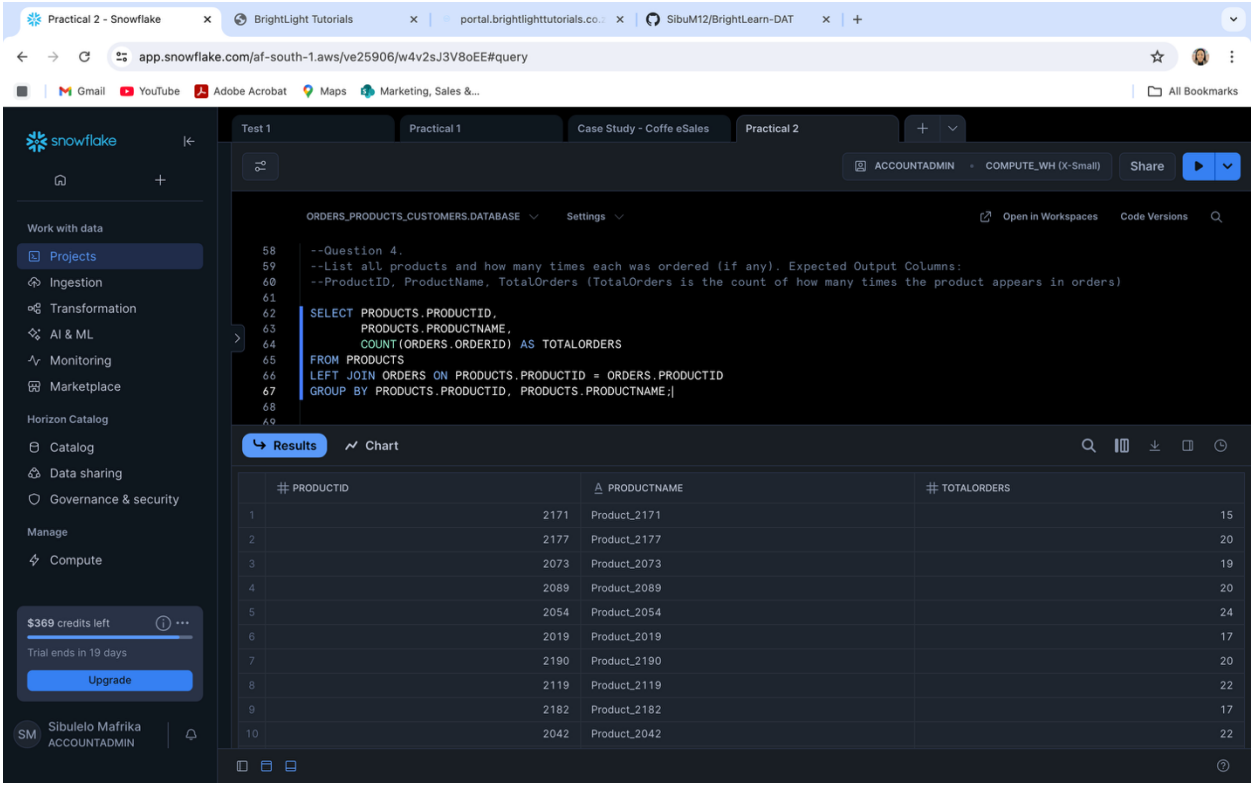
Code Versions
42 --Question 3.
43 --List all customers and any orders they might have placed. Include customers who havenot placed any orders. Expected Output Columns:
44 --CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity
45
46 SELECT CUSTOMERS.CUSTOMERID,
47 CUSTOMERS.CUSTOMERNAME,
48 CUSTOMERS.COUNTRY,
49 ORDERS.ORDERID,
50 ORDERS.ORDERDATE,
51 ORDERS.PRODUCTID,
52 ORDERS.QUANTITY
53 FROM CUSTOMERS
54 LEFT JOIN ORDERS ON CUSTOMERS.CUSTOMERID = ORDERS.CUSTOMERID;
55
Results
Chart
CUSTOMERID CUSTOMERNAME COUNTRY ORDERID ORDERDATE
1 1251 Customer_1251 Germany 1 2023-06-10
2 1236 Customer_1236 Australia 2 2023-12-07
3 1170 Customer_1170 Germany 3 2024-10-26
4 1344 Customer_1344 Canada 4 2023-02-17
5 1319 Customer_1319 USA 5 2024-11-06
6 1185 Customer_1185 Australia 6 2024-11-23
7 1011 Customer_1011 Germany 7 2023-07-29
8 1322 Customer_1322 Australia 8 2023-12-06

4.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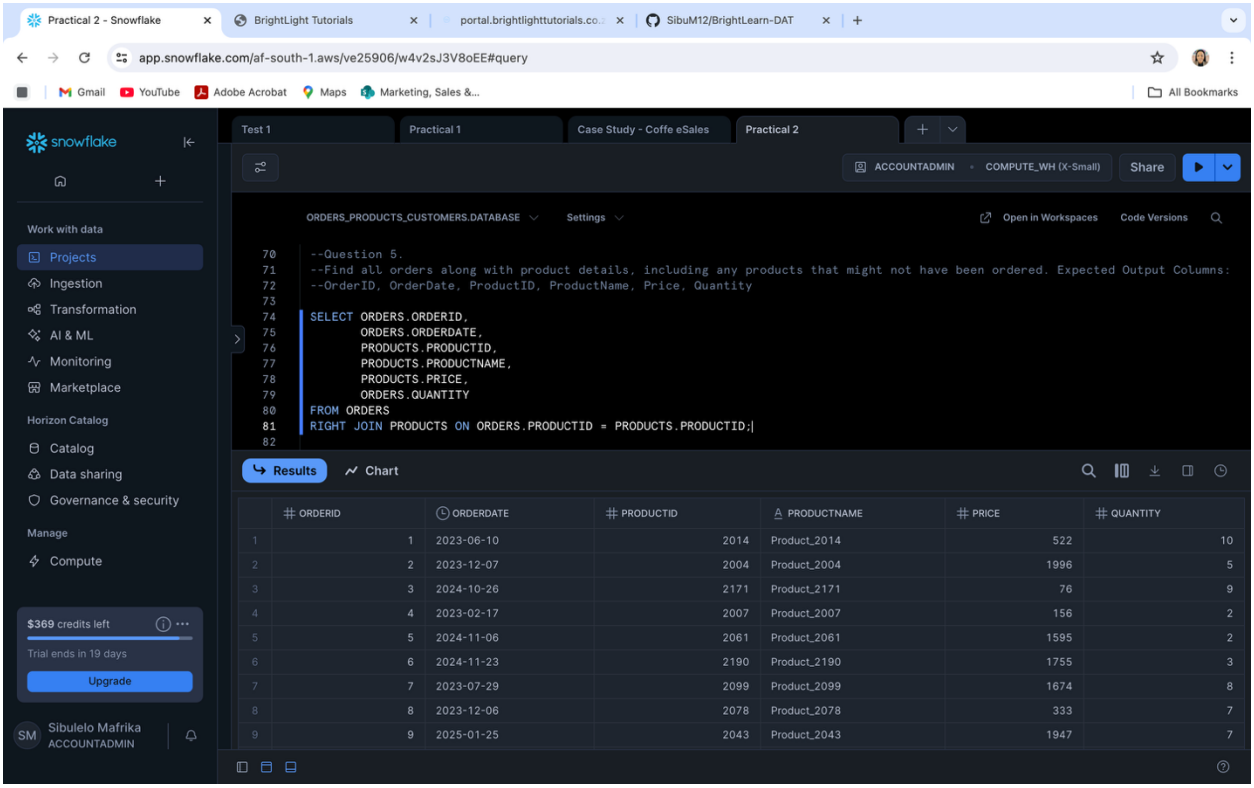
Code Versions
58 --Question 4.
59 --List all products and how many times each was ordered (if any). Expected Output Columns:
60 --ProductID, ProductName, TotalOrders (TotalOrders is the count of how many times the product appears in orders)
61
62 SELECT PRODUCTS.PRODUCTID,
63 PRODUCTS.PRODUCTNAME,
64 COUNT(ORDERS.ORDERID) AS TOTALORDERS
65 FROM PRODUCTS
66 LEFT JOIN ORDERS ON PRODUCTS.PRODUCTID = ORDERS.PRODUCTID
67 GROUP BY PRODUCTS.PRODUCTID, PRODUCTS.PRODUCTNAME;
68
Results
Chart
PRODUCTID PRODUCTNAME TOTALORDERS
1 2171 Product_2171 15
2 2177 Product_2177 20
3 2073 Product_2073 19
4 2089 Product_2089 20
5 2054 Product_2054 24
6 2019 Product_2019 17
7 2190 Product_2190 20
8 2119 Product_2119 22
9 2182 Product_2182 17
10 2042 Product_2042 22

5.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Code Versions
--Question 5.
--Find all orders along with product details, including any products that might not have been ordered. Expected Output Columns:
--OrderID, OrderDate, ProductID, ProductName, Price, Quantity
SELECT ORDERS.ORDERID,
ORDERS.ORDERDATE,
PRODUCTS.PRODUCTID,
PRODUCTS.PRODUCTNAME,
PRODUCTS.PRICE,
ORDERS.QUANTITY
FROM ORDERS
RIGHT JOIN PRODUCTS ON ORDERS.PRODUCTID = PRODUCTS.PRODUCTID;
Results
Chart
ORDERID
ORDERDATE
PRODUCTID
PRODUCTNAME
PRICE
QUANTITY
1 1 2023-06-10 2014 Product_2014 522 10
2 2 2023-12-07 2004 Product_2004 1996 5
3 3 2024-10-26 2171 Product_2171 76 9
4 4 2023-02-17 2007 Product_2007 156 2
5 5 2024-11-06 2061 Product_2061 1595 2
6 6 2024-11-23 2190 Product_2190 1755 3
7 7 2023-07-29 2099 Product_2099 1674 8
8 8 2023-12-06 2078 Product_2078 333 7
9 9 2025-01-25 2043 Product_2043 1947 7
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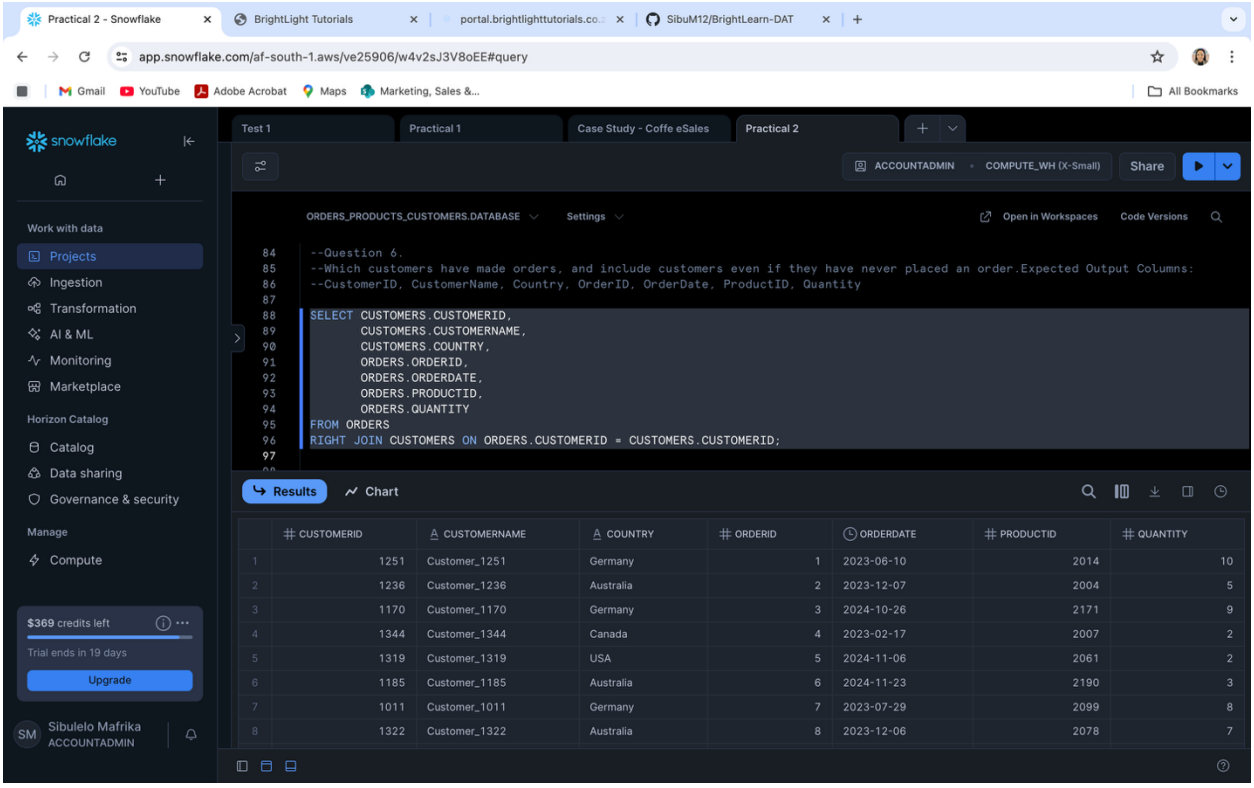
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Code Versions
--Question 6.
--Which customers have made orders, and include customers even if they have never placed an order.Expected Output Columns:
--CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity
SELECT CUSTOMERS.CUSTOMERID,
CUSTOMERS.CUSTOMERNAME,
CUSTOMERS.COUNTRY,
ORDERS.ORDERID,
ORDERS.ORDERDATE,
ORDERS.PRODUCTID,
ORDERS.QUANTITY
FROM ORDERS
RIGHT JOIN CUSTOMERS ON ORDERS.CUSTOMERID = CUSTOMERS.CUSTOMERID;
Results
Chart
CUSTOMERID
CUSTOMERNAME
COUNTRY
ORDERID
ORDERDATE
PRODUCTID
QUANTITY
1 1251 Customer_1251 Germany 1 2023-06-10 2014 10
2 1236 Customer_1236 Australia 2 2023-12-07 2004 5
3 1170 Customer_1170 Germany 3 2024-10-26 2171 9
4 1344 Customer_1344 Canada 4 2023-02-17 2007 2
5 1319 Customer_1319 USA 5 2024-11-06 2061 2
6 1185 Customer_1185 Australia 6 2024-11-23 2190 3
7 1011 Customer_1011 Germany 7 2023-07-29 2099 8
8 1322 Customer_1322 Australia 8 2023-12-06 2078 7
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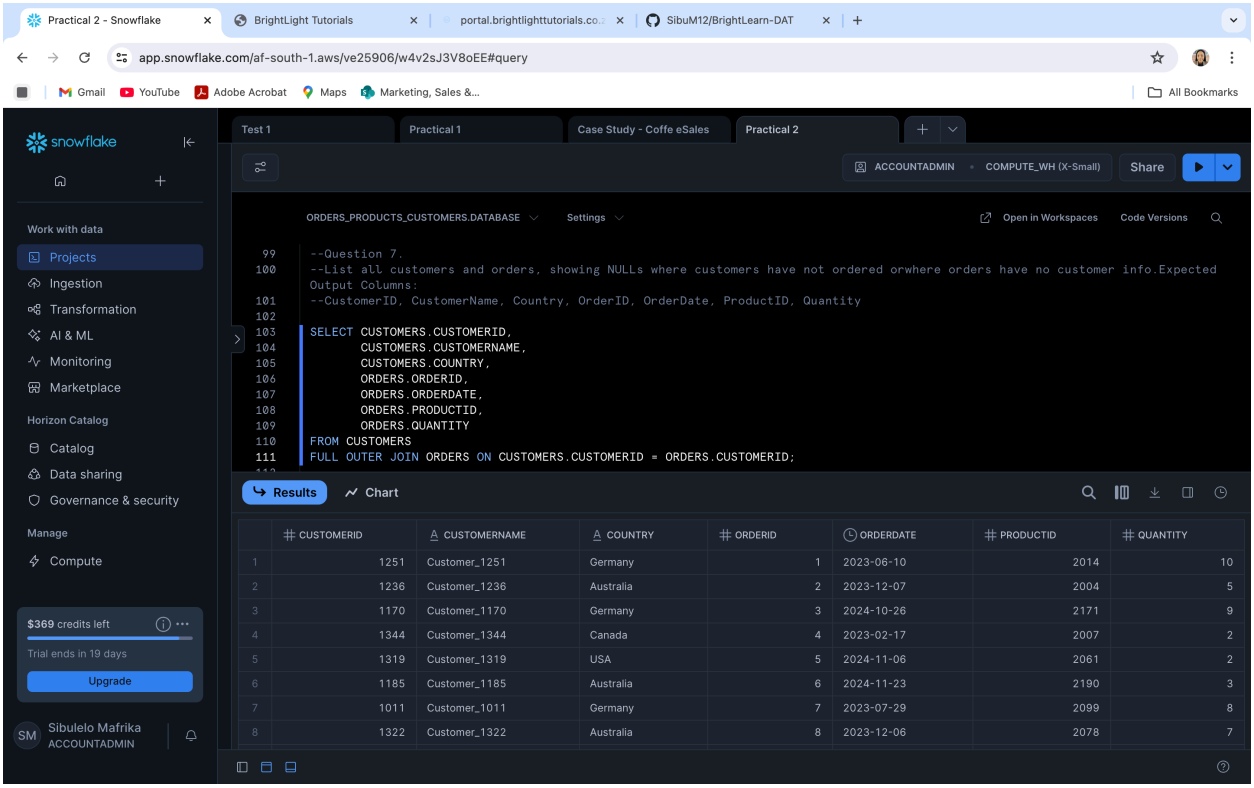
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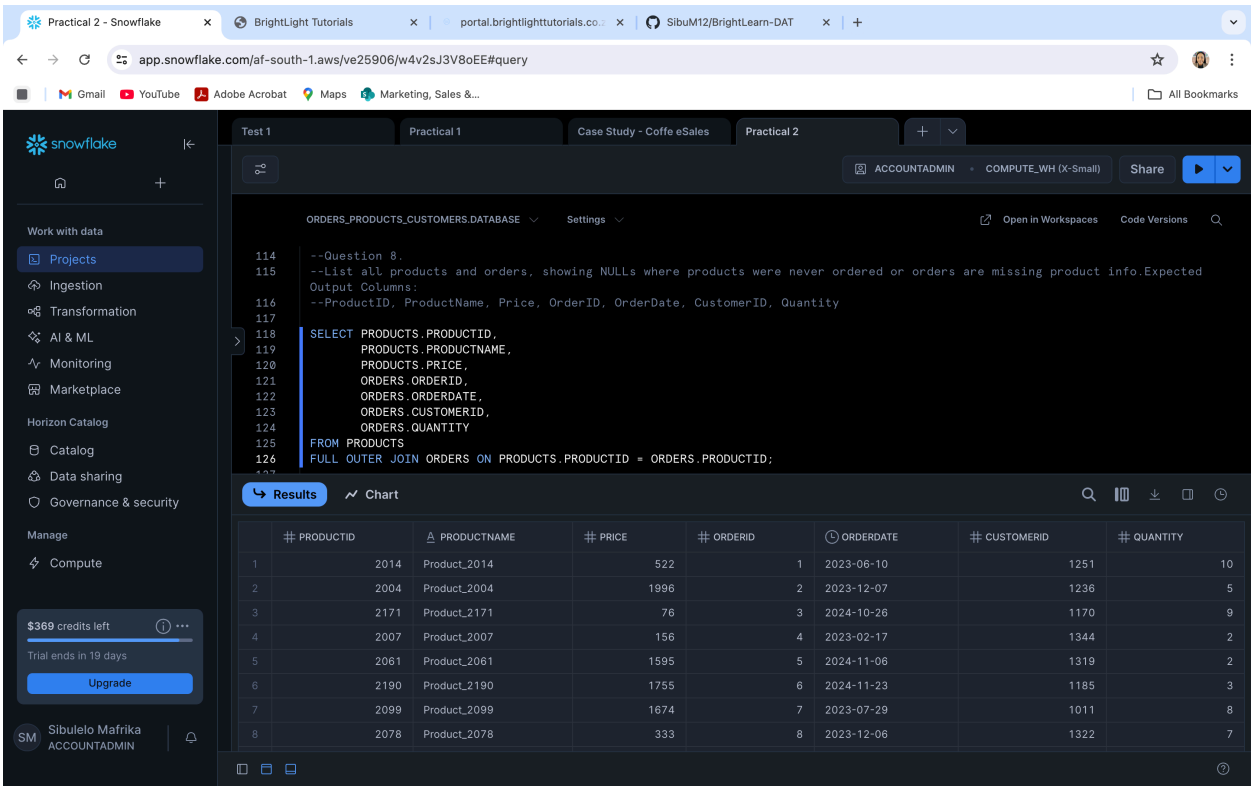
Code Versions
99 --Question 7.
100 --List all customers and orders, showing NULLs where customers have not ordered orwhere orders have no customer info.Expected Output Columns:
101 --CustomerID, CustomerName, Country, OrderID, OrderDate, ProductID, Quantity
102
103 SELECT CUSTOMERS.CUSTOMERID,
104 CUSTOMERS.CUSTOMERNAME,
105 CUSTOMERS.COUNTRY,
106 ORDERS.ORDERID,
107 ORDERS.ORDERDATE,
108 ORDERS.PRODUCTID,
109 ORDERS.QUANTITY
110 FROM CUSTOMERS
111 FULL OUTER JOIN ORDERS ON CUSTOMERS.CUSTOMERID = ORDERS.CUSTOMERID;
Results
Chart
CUSTOMERID CUSTOMERNAME COUNTRY ORDERID ORDERDATE PRODUCTID QUANTITY
1 1251 Customer_1251 Germany 1 2023-06-10 2014 10
2 1236 Customer_1236 Australia 2 2023-12-07 2004 5
3 1170 Customer_1170 Germany 3 2024-10-26 2171 9
4 1344 Customer_1344 Canada 4 2023-02-17 2007 2
5 1319 Customer_1319 USA 5 2024-11-06 2061 2
6 1185 Customer_1185 Australia 6 2024-11-23 2190 3
7 1011 Customer_1011 Germany 7 2023-07-29 2099 8
8 1322 Customer_1322 Australia 8 2023-12-06 2078 7

8.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Settings
Open in Workspaces
Code Versions
114 --Question 8.
115 --List all products and orders, showing NULLs where products were never ordered or orders are missing product info.Expected Output Columns:
116 --ProductID, ProductName, Price, OrderID, OrderDate, CustomerID, Quantity
117
118 SELECT PRODUCTS.PRODUCTID,
119 PRODUCTS.PRODUCTNAME,
120 PRODUCTS.PRICE,
121 ORDERS.ORDERID,
122 ORDERS.ORDERDATE,
123 ORDERS.CUSTOMERID,
124 ORDERS.QUANTITY
125 FROM PRODUCTS
126 FULL OUTER JOIN ORDERS ON PRODUCTS.PRODUCTID = ORDERS.PRODUCTID;
Results
Chart
PRODUCTID PRODUCTNAME PRICE ORDERID ORDERDATE CUSTOMERID QUANTITY
1 2014 Product_2014 522 1 2023-06-10 1251 10
2 2004 Product_2004 1996 2 2023-12-07 1236 5
3 2171 Product_2171 76 3 2024-10-26 1170 9
4 2007 Product_2007 156 4 2023-02-17 1344 2
5 2061 Product_2061 1595 5 2024-11-06 1319 2
6 2190 Product_2190 1755 6 2024-11-23 1185 3
7 2099 Product_2099 1674 7 2023-07-29 1011 8
8 2078 Product_2078 333 8 2023-12-06 1322 7