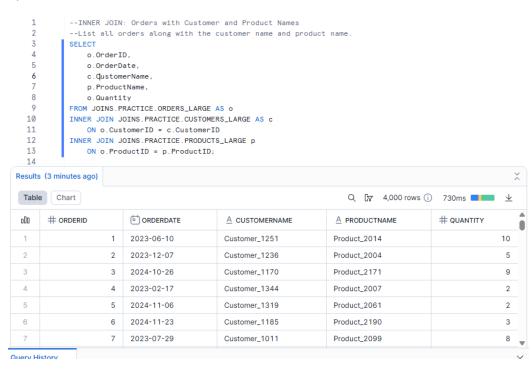
Belinda Thando Mhlanga

Practical 2 - SQL JOINS Practice Questions

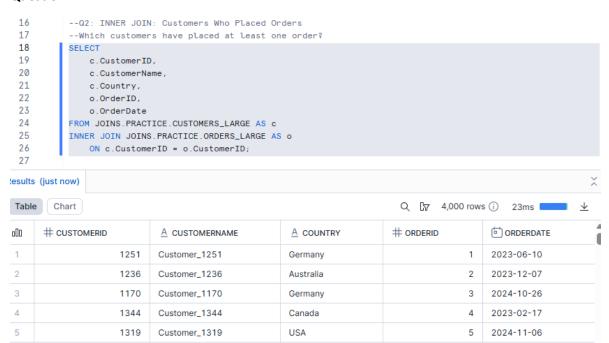
Question 1



Question 2.

1185

Customer 1185



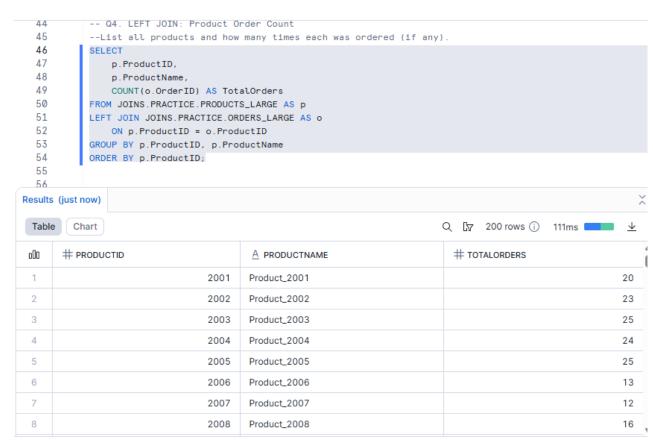
Australia

2024-11-23

Question 3

```
29
            --Q3. LEFT JOIN: All Customers and Their Orders
  30
            --List all customers and any orders they might have placed. Include customers who have not placed
            any orders.
            SELECT
  31
  32
               c.CustomerID,
  33
               c.CustomerName,
  34
               c.Country,
  35
               o.OrderID,
  36
               o.OrderDate,
  37
               o.ProductID,
  38
               o.Quantity
  39
            FROM JOINS.PRACTICE.CUSTOMERS_LARGE AS c
  40
            LEFT JOIN JOINS.PRACTICE.ORDERS_LARGE AS o
  41
            ON c.CustomerID = o.CustomerID;
  42
  43
Results (just now)
                                                                            Q [¬ 4,000 rows (i) 191ms <u>↓</u>
Table
        Chart
                                            A COUNTRY
000
       # CUSTOMERID
                        A CUSTOMERNAME
                                                          # ORDERID
                                                                       ORDERDATE
                                                                                        # PRODUCTID
                                                                                                        # QUANTITY
 1
                1251
                                                                       2023-06-10
                                                                                                2014
                                                                                                                10
                       Customer_1251
                                           Germany
                                                                                                2004
                                                                                                                  5
 2
                1236
                       Customer_1236
                                           Australia
                                                                   2
                                                                       2023-12-07
 3
                1170
                       Customer_1170
                                           Germany
                                                                   3
                                                                       2024-10-26
                                                                                                2171
                                                                                                                  9
                1344
                       Customer_1344
                                                                       2023-02-17
                                                                                                2007
                                                                                                                 2
 4
                                           Canada
                                                                   4
                                                                                                                 2 _
                1319
                       Customer_1319
                                           USA
                                                                   5
                                                                       2024-11-06
                                                                                                2061
```

Question 4



Question 5

```
57
            -- Q5. RIGHT JOIN: Orders with Product Info (Include Products Not Ordered)
  58
            --Find all orders along with product details, including any products that might not have been
  59
            SELECT
  60
                o.OrderID,
  61
                o.OrderDate,
  62
                p.ProductID,
  63
                p.ProductName,
  64
                p.Price,
  65
                o.Quantity
  66
            FROM JOINS.PRACTICE.ORDERS_LARGE AS o
  67
            RIGHT JOIN JOINS.PRACTICE.PRODUCTS_LARGE AS p
  68
                ON o.ProductID = p.ProductID;
  69
Results (just now)
Table
         Chart
                                                                            Q [7 4,000 rows (i)
                                                                                                   190ms
       # ORDERID
                        ORDERDATE
                                            # PRODUCTID
                                                               A PRODUCTNAME
                                                                                     # PRICE
                                                                                                    # QUANTITY
o00
 1
                   1
                        2023-06-10
                                                       2014
                                                               Product_2014
                                                                                             522
                                                                                                                10
 2
                   2
                        2023-12-07
                                                       2004
                                                               Product_2004
                                                                                            1996
                                                                                                                 5
                        2024-10-26
                                                       2171
                                                               Product_2171
                                                                                              76
 3
                   3
                                                                                                                 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
```

Question 6

o00

1

2

3

CUSTOMERID

1251

1236

1170

1344

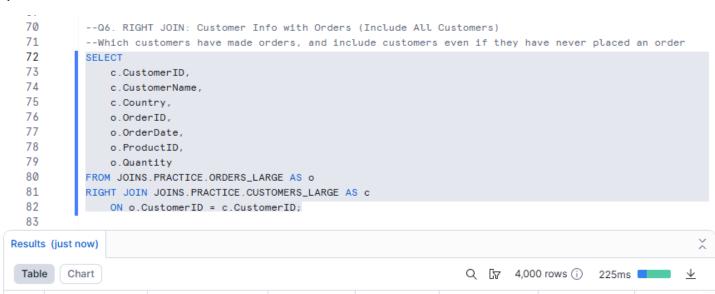
A CUSTOMERNAME

Customer_1251

Customer_1236

Customer_1170

Customer 1344



A COUNTRY

Germany

Australia

Germany

Canada

ORDERID

1

2

3

4

ORDERDATE

2023-06-10

2023-12-07

2024-10-26

2023-02-17

PRODUCTID

2014

2004

2171

2007

QUANTIT

1

Question 7

```
84
              --Q7 FULL OUTER JOIN: All Customers and All Orders
    85
              --List all customers and orders, showing NULLs where customers have not ordered or where orders have no customer info.
    86
              SELECT
    87
                  c.CustomerID,
    88
                  c.CustomerName,
    89
                  c.Country,
    90
                  o.OrderID,
    91
                  o.OrderDate,
    92
                  o.ProductID,
    93
                  o.Quantity
    94
              FROM JOINS.PRACTICE.CUSTOMERS_LARGE AS c
    95
              FULL OUTER JOIN JOINS.PRACTICE.ORDERS_LARGE AS o
    96
                  ON c.CustomerID = o.CustomerID;
    97
                                                                                                                                              X
 Results (just now)
  Table
          Chart
                                                                                                       Q 🖫 4,000 rows i 195ms 🔳
                                                                                                                                            \overline{\phantom{a}}
         # CUSTOMERID
                              A CUSTOMERNAME :
                                                     A COUNTRY
                                                                      # ORDERID
                                                                                       ORDERDATE
                                                                                                           # PRODUCTID
                                                                                                                              # QUANTITY
  o00
   1
                     1251
                             Customer_1251
                                                    Germany
                                                                                   1
                                                                                       2023-06-10
                                                                                                                      2014
                                                                                                                                           10
   2
                     1236
                             Customer_1236
                                                    Australia
                                                                                   2
                                                                                       2023-12-07
                                                                                                                      2004
                                                                                                                                            5
                     1170
                                                                                       2024-10-26
                                                                                                                      2171
                                                                                                                                            9
                             Customer_1170
                                                    Germany
                                                                                   3
   4
                     1344
                             Customer_1344
                                                     Canada
                                                                                   4
                                                                                       2023-02-17
                                                                                                                      2007
                                                                                                                                            2
                                                    USA
                                                                                       2024-11-06
                                                                                                                      2061
                                                                                                                                            2
   5
                     1319
                             Customer_1319
                                                                                   5
   6
                     1185
                             Customer_1185
                                                     Australia
                                                                                   6
                                                                                       2024-11-23
                                                                                                                      2190
                                                                                                                                            3
Query History
```

Question 8



