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Practical 2 Answers (SQL JOIN):

Question 1

```
SELECT
A.OrderId,
A.Orderdate,
B.Customername,
C.ProductName,
A.Quantity
FROM orders AS A
INNER JOIN customers AS B ON A.customerid=B.customerid
INNER JOIN products AS C on A.productid=C.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
11	11	2024-11-21	Customer_1324	Product_2090	1

Query Details
Query duration 842ms
Rows 4K
Query ID 01bb5fec-0002-9ce8-0...
Show more
ORDERID
1 4000
ORDERDATE

Question 2

```
SELECT
B.CUSTOMERID,
B.CUSTOMERNAME,
B.COUNTRY,
A.ORDERID,
A.ORDERDATE
FROM orders AS A
INNER JOIN customers AS B ON A.customerid=B.customerid
WHERE A.quantity>1;
```

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
11	1248	Customer_1248	Germany	12	2023-06-19

Query Details
Query duration 551ms
Rows 3.6K
Query ID 01bb5ff2-0002-9cea-0...
Show more
CUSTOMERID
1001 1400
CUSTOMERNAME

Questions 3

```
PRACTICAL_2.MEGANLEE   Settings

1  SELECT
2  A.CUSTOMERID,
3  A.CUSTOMERNAME,
4  A.COUNTRY,
5  B.ORDERID,
6  B.ORDERDATE,
7  B.PRODUCTID,
8  B.QUANTITY
9  FROM CUSTOMERS AS A
10 LEFT JOIN ORDERS AS B ON A.customerid=B.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
9	1224	Customer_1224	Australia	9	2025-01-25	2043	7
10	1010	Customer_1010	UK	10	2023-07-19	2141	3
11	1324	Customer_1324	India	11	2024-11-21	2090	1

Query Details
Query duration 240ms
Rows 4K
Query ID 01bb5ff5-0002-9ce8-0...
Show more
CUSTOMERID
1001 1400
CUSTOMERNAME

Question 4

```
PRACTICAL_2.MEGANLEE   Settings

1  SELECT
2  A.PRODUCTID,
3  A.PRODUCTNAME,
4  COUNT (DISTINCT ORDERID) AS TotalOrders
5  FROM products AS A
6  LEFT JOIN orders AS B
7  ON A.productid=B.productid
8  GROUP BY A.PRODUCTID, A.PRODUCTNAME
9  ORDER BY A.PRODUCTID ASC;
```

Results | Chart

	PRODUCTID	PRODUCTNAME	TOTALORDERS
1	2001	Product_2001	20
2	2002	Product_2002	23
3	2003	Product_2003	25
4	2004	Product_2004	24
5	2005	Product_2005	25
6	2006	Product_2006	13
7	2007	Product_2007	12
8	2008	Product_2008	16
9	2009	Product_2009	22
10	2010	Product_2010	18
11	2011	Product_2011	32

Query Details
Query duration 346ms
Rows 200
Query ID 01bb5ff8-0002-9cce-0...
Show more
PRODUCTID
2001 2200
PRODUCTNAME
100% filled

Question 5

PRACTICAL_2.MEGANLEE Settings

```
SELECT
A.ORDERID,
A.ORDERDATE,
B.PRODUCTID,
B.PRODUCTNAME,
B.PRICE,
A.QUANTITY
FROM ORDERS AS A
RIGHT JOIN PRODUCTS AS B
ON A.PRODUCTID=B.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
10	10	2023-07-19	2141	Product_2141	1599	3
11	11	2024-11-21	2090	Product_2090	1662	1

Query Details
Query duration 284ms
Rows 4K
Query ID 01bb5ffc-0002-9cea-0...
Show more
ORDERID
1 4000
ORDERDATE

Question 6

PRACTICAL_2.MEGANLEE Settings

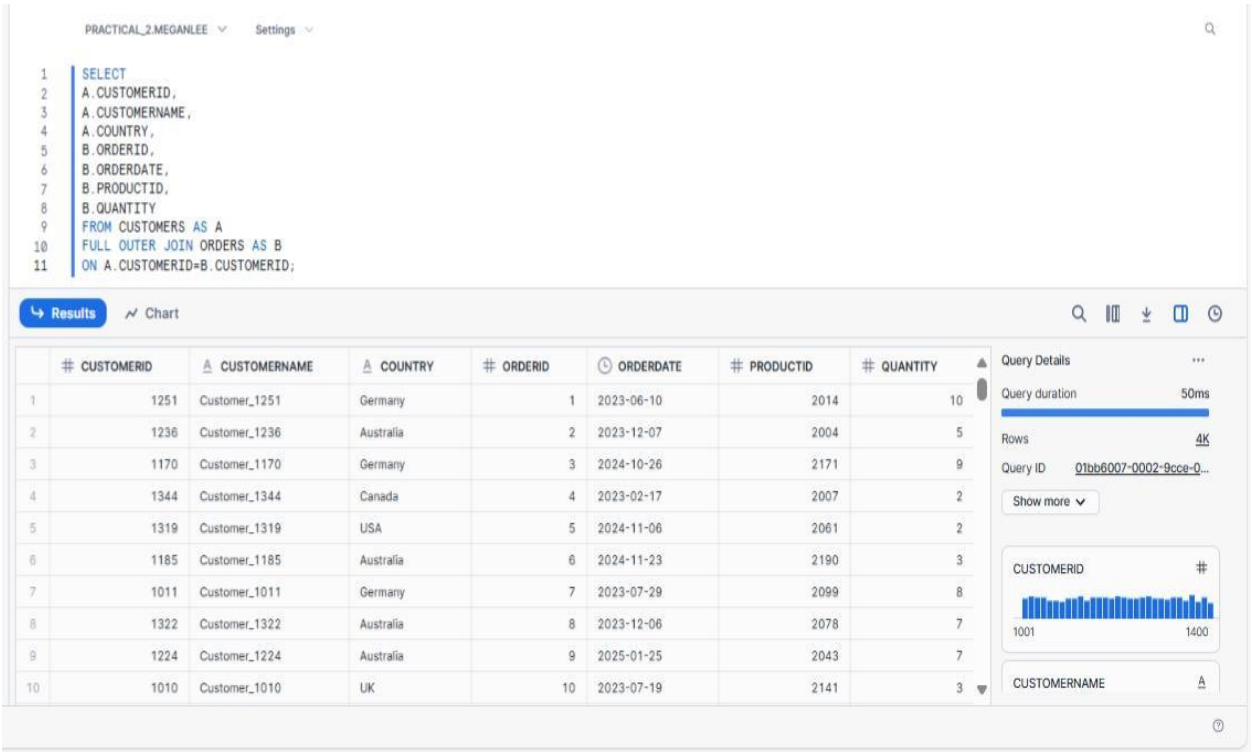
```
SELECT
A.CUSTOMERID,
B.CUSTOMERNAME,
B.COUNTRY,
A.ORDERDATE,
A.PRODUCTID,
A.QUANTITY
FROM ORDERS AS A
RIGHT JOIN CUSTOMERS AS B
ON A.CUSTOMERID=B.CUSTOMERID;
```

Results Chart

	CUSTOMERID	CUSTOMERNAME	COUNTRY	ORDERDATE	PRODUCTID	QUANTITY
1	1251	Customer_1251	Germany	2023-06-10	2014	10
2	1236	Customer_1236	Australia	2023-12-07	2004	5
3	1170	Customer_1170	Germany	2024-10-26	2171	9
4	1344	Customer_1344	Canada	2023-02-17	2007	2
5	1319	Customer_1319	USA	2024-11-06	2061	2
6	1185	Customer_1185	Australia	2024-11-23	2190	3
7	1011	Customer_1011	Germany	2023-07-29	2099	8
8	1322	Customer_1322	Australia	2023-12-06	2078	7
9	1224	Customer_1224	Australia	2025-01-25	2043	7
10	1010	Customer_1010	UK	2023-07-19	2141	3
11	1324	Customer_1324	India	2024-11-21	2090	1

Query Details
Query duration 200ms
Rows 4K
Query ID 01bb6004-0002-9cea-...
Show more
CUSTOMERID
1001 1400
CUSTOMERNAME

Question 7

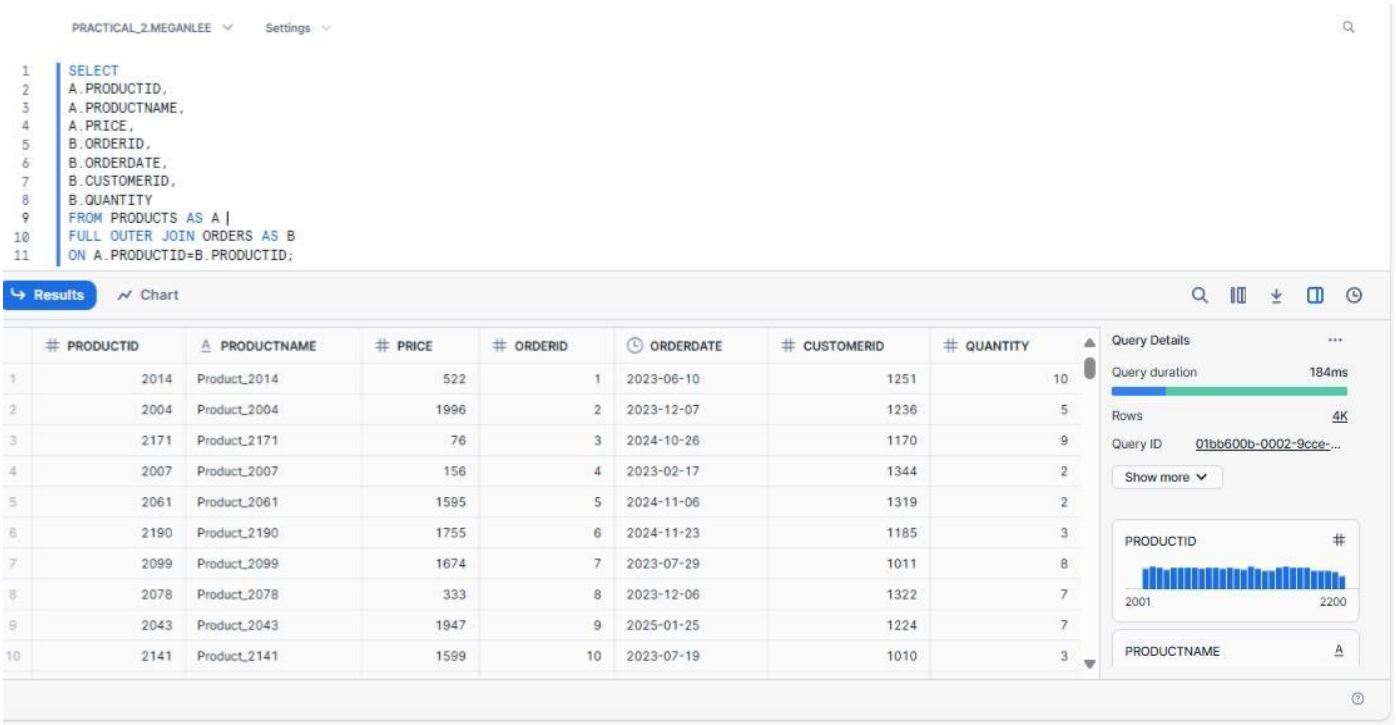


```
SELECT
A.CUSTOMERID,
A.CUSTOMERNAME,
A.COUNTRY,
B.ORDERID,
B.ORDERDATE,
B.PRODUCTID,
B.QUANTITY
FROM CUSTOMERS AS A
FULL OUTER JOIN ORDERS AS B
ON A.CUSTOMERID=B.CUSTOMERID;
```

	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
9	1224	Customer_1224	Australia	9	2025-01-25	2043	7
10	1010	Customer_1010	UK	10	2023-07-19	2141	3

Query duration 50ms
Rows 4K
CUSTOMERID 1001 1400
CUSTOMERNAME

Question 8



```
SELECT
A.PRODUCTID,
A.PRODUCTNAME,
A.PRICE,
B.ORDERID,
B.ORDERDATE,
B.CUSTOMERID,
B.QUANTITY
FROM PRODUCTS AS A
FULL OUTER JOIN ORDERS AS B
ON A.PRODUCTID=B.PRODUCTID;
```

	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
9	2043	Product_2043	1947	9	2025-01-25	1224	7
10	2141	Product_2141	1599	10	2023-07-19	1010	3

Query duration 184ms
Rows 4K
PRODUCTID 2001 2200
PRODUCTNAME