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## Practical 2 ANSWERS

### Question 1

PRACTICAL\_2.PUBLIC Settings Code Versions

```
SELECT
  A.OrderId,
  A.Orderdate,
  B.Customername,
  C.ProductName,
  A.Quantity
FROM orders_large AS A
INNER JOIN customers_large AS B ON A.customerid=B.customerid
INNER JOIN products_large AS C ON A.productid=C.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

### Question 2

PRACTICAL\_2.PUBLIC Settings

```
SELECT
  B.CustomerID,
  B.CustomerName,
  B.Country,
  A.OrderId,
  A.ORDERDATE
FROM ORDERS_LARGE AS A
INNER JOIN customers_large 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

### Question 3

PRACTICAL\_2.PUBLIC

Settings

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SELECT

A.customerID,

A.CustomerName,

A.Country,

B.OrderID,

B.OrderDate,

B.ProductID,

B.Quantity

FROM CUSTOMERS\_LARGE AS A

LEFT JOIN ORDERS\_LARGE AS B

ON A.customerid=B.customerid;

Results

Chart

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#	CUSTOMERID	CUSTOMERNAME	COUNTRY	#	ORDERID	ORDERDATE	#	PRODUCTID	QUANTITY
	1251	Customer_1251	Germany	1	2023-06-10		2014	10	
	1236	Customer_1236	Australia	2	2023-12-07		2004	5	
	1170	Customer_1170	Germany	3	2024-10-26		2171	9	
	1344	Customer_1344	Canada	4	2023-02-17		2007	2	
	1319	Customer_1319	USA	5	2024-11-06		2061	2	
	1185	Customer_1185	Australia	6	2024-11-23		2190	3	
	1011	Customer_1011	Germany	7	2023-07-29		2098	8	

### Question 4

PRACTICAL\_2.PUBLIC Settings

```
56 SELECT
57     A.productid,
58     A.productname,
59     count(distinct orderid) as TotalOrders
60 FROM PRODUCTS_LARGE AS A
61 LEFT JOIN ORDERS_LARGE AS B
62 ON A.productid=B.productid
63 GROUP BY A.PRODUCTID,A.PRODUCTNAME
64 ORDER BY A.PRODUCTID ASC;
65
```

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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	17

## Question 5

PRACTICAL\_2.PUBLIC Settings

```
71 SELECT
72     A.OrderID,
73     A.OrderDate,
74     B.ProductID,
75     B.ProductName,
76     B.Price,
77     A.Quantity
78 FROM ORDERS_LARGE AS A
79 RIGHT JOIN PRODUCTS_LARGE AS B
80 ON A.ProductID=B.PRODUCTID
81
```

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

## Question 6

PRACTICAL\_2.PUBLIC Settings

```
88 SELECT
89     A.customerID,
90     B.CustomerName,
91     B.Country,
92     A.OrderID,
93     A.OrderDate,
94     A.ProductID,
95     A.Quantity
96 FROM ORDERS_LARGE AS A
97 RIGHT JOIN CUSTOMERS_LARGE AS B
98 ON A.customerid=B.customerid;
99
```

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

## Question 7

PRACTICAL\_2.PUBLIC Settings

```
105 SELECT
106     A.CustomerID,
107     A.CustomerName,
108     A.Country,
109     B.OrderID,
110     B.OrderDate,
111     B.ProductID,
112     B.Quantity
113 FROM CUSTOMERS_LARGE AS A
114 FULL OUTER JOIN ORDERS_LARGE AS B
115 ON A.customerid=B.customerid;
116
```

Results Chart

	# CUSTOMERID	A CUSTOMERNAME	A 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

## Question 8

PRACTICAL\_2.PUBLIC Settings

```
122 SELECT
123     A.ProductID,
124     A.ProductName,
125     A.Price,
126     B.OrderID,
127     B.OrderDate,
128     B.CUSTOMERID,
129     B.Quantity
130 FROM products_large AS A
131 FULL OUTER JOIN ORDERS_LARGE AS B
132 ON A.productid=B.productid;
133
```

Results Chart

	# PRODUCTID	A 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