

Mendiso Donga

Practical 2

Question 1

PRACTICAL_2.PUBLICSettings

1SELECT

2A. ORDERID,

3A. ORDERDATE,

4B. CUSTOMERNAME,

5QUANTITY

6PRODUCTNAME

7FROM

8ORDERS AS A

9INNER JOIN CUSTOMERS AS B ON A.CUSTOMERID=B.CUSTOMERID

10INNER JOIN PRODUCTS AS C ON C.PRODUCTID= A.PRODUCTID,

11

ResultsChart

	ORDERID	ORDERDATE	CUSTOMERNAME	PRODUCTNAME
1	1	2023-06-10	Customer_1251	10
2	2	2023-12-07	Customer_1236	5
3	3	2024-10-26	Customer_1170	9
4	4	2023-02-17	Customer_1344	2

Question 2

PRACTICAL_2.PUBLICSettings

1SELECT

2B. CUSTOMERID,

3B. CUSTOMERNAME,

4B. COUNTRY,

5A. ORDERID,

6A. ORDERDATE

7FROM

8ORDERS AS A

9INNER JOIN CUSTOMERS AS B ON A.CUSTOMERID=B.CUSTOMERID

10WHERE QUANTITY <=1;

11

ResultsChart

	CUSTOMERID	CUSTOMERNAME	COUNTRY	ORDERID	ORDERDATE
1	1324	Customer_1324	India	11	2024-11-21
2	1333	Customer_1333	USA	20	2023-06-08
3	1252	Customer_1252	Canada	40	2024-04-30
4	1071	Customer 1071	Germanv	43	2024-02-01

Question 3

PRACTICAL_2.PUBLICSettings

1SELECT

2A.CUSTOMERID,

3A.CUSTOMERNAME,

4A.COUNTRY,

5B.ORDERID,

6B.ORDERDATE,

7B.PRODUCTID,

8B.QUANTITY

9FROM

10CUSTOMERS AS A

11LEFT JOIN ORDERS AS B ON A.CUSTOMERID=B.CUSTOMERID

ResultsChart

	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

Question 4

PRACTICAL_2.PUBLICSettings

1SELECT

2a.productid,

3a.productname,

4count(distinct orderid) AS Total_orders

5

6FROM

7products as a

8INNER JOIN orders as b

9ON a.productid=b.productid

10GROUP BY a.productid ,a.productname

11

ResultsChart

	PRODUCTID	PRODUCTNAME	...	TOTAL_ORDERS
1	2014	Product_2014		22
2	2004	Product_2004		24
3	2171	Product_2171		15
4	2007	Product_2007		12

Question 5

PRACTICAL_2.PUBLICSettings

1SELECT

2a.orderid,

3a.orderdate,

4a.quantity,

5b.productid,

6b.productname,

7b.price

8FROM

9orders as a

10RIGHT JOIN products as b

11ON a.productid=b.productid

ResultsChart

	ORDERID	...	ORDERDATE	QUANTITY	PRODUCTID	PRODUCTNAME	PRICE
549	1965		2024-12-05	10	2102	Product_2102	252
550	2345		2024-05-08	4	2102	Product_2102	252
551	1989		2023-11-03	4	2102	Product_2102	252
552	2239		2024-06-30	4	2102	Product_2102	252

Question 6

PRACTICAL_2.PUBLICSettingsCode Versions

345678910111213

a.customername,
a.country,
b.orderid,
b.orderdate,
b.productid,
b.quantity
FROM
customers as a
RIGHT JOIN orders as b
ON a.customerid=b.customerid

ResultsChart

	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

Question 7

PRACTICAL_2.PUBLICSettingsCode Versions

1234567891011

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

ResultsChart

	CUSTOMERID	CUSTOMERNAME	COUNTRY	ORDERID	ORDERDATE	PRODUCTID	QUANTITY
1	1025	Customer_1025	Canada	785	2024-09-25	2091	1
2	1282	Customer_1282	Canada	2972	2023-05-28	2200	1
3	1051	Customer_1051	India	3597	2024-06-05	2178	1
4	1293	Customer_1293	UK	1543	2023-08-23	2097	1

Question 8

PRACTICAL_2_PUBLICSettingsCode Versions

345678910111213

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

ResultsChart

PRODUCTIDPRODUCTNAME...PRICEORDERIDORDERDATECUSTOMERIDQUANTITY

12014Product_201452212023-06-10125110

22004Product_2004199622023-12-0712365

32171Product_21717632024-10-2611709

42007Product_200715642023-02-1713442