

## SQL JOIN Practice Instructions

1.

The screenshot shows the AWS Lambda SQL editor interface. The code in the editor is:

```
5   SELECT A.orderid,
6         A.orderdate,
7         B.customername,
8         C.productname,
9         A.quantity,
10    FROM ECOMMERCE_OPERATIONS.ORDERS AS A
11   INNER JOIN ECOMMERCE_OPERATIONS.CUSTOMERS AS B ON A.customerid = B.customerid
12   INNER JOIN ECOMMERCE_OPERATIONS.PRODUCTS AS C ON A.productid = C.productid
```

The results table shows 4,000 rows with the following data:

ORDERID	ORDERDATE	CUSTOMERNAME	PRODUCTNAME	QUANTITY
1	2023-06-10	Customer_1251	Product_2014	10
2	2023-12-07	Customer_1236	Product_2004	5
3	2024-10-26	Customer_1170	Product_2171	9
4	2023-02-17	Customer_1344	Product_2007	2
5	2024-11-06	Customer_1319	Product_2061	2
6	2024-11-23	Customer_1185	Product_2190	3
7	2023-07-29	Customer_1011	Product_2099	8
8	2023-12-06	Customer_1322	Product_2078	7

2.

The screenshot shows the AWS Lambda SQL editor interface. The code in the editor is:

```
14  SELECT A.orderid,
15      A.orderdate,
16      B.customername,
17      B.customerid,
18      B.country,
19  FROM ECOMMERCE_OPERATIONS ORDERS AS A
20  INNER JOIN ECOMMERCE_OPERATIONS.CUSTOMERS AS B ON A.customerid = B.customerid
21  INNER JOIN ECOMMERCE_OPERATIONS.PRODUCTS AS C ON A.productid = C.productid
22  WHERE quantity > 1;
```

The results table shows 3,600 rows with the following data:

ORDERID	ORDERDATE	CUSTOMERNAME	CUSTOMERID	COUNTRY
1	2023-06-10	Customer_1251	1251	Germany
2	2023-12-07	Customer_1236	1236	Australia
3	2024-10-26	Customer_1170	1170	Germany
4	2023-02-17	Customer_1344	1344	Canada
5	2024-11-06	Customer_1319	1319	USA
6	2024-11-23	Customer_1185	1185	Australia
7	2023-07-29	Customer_1011	1011	Germany
8	2023-12-06	Customer_1322	1322	Australia

3.

Home Load sample data from AWS S3 with SQL phindy.sql 2025-10-20 11:28am +

ACCOUNTADMIN COMPUTE\_WH (X-Small) Choose database ...

```

25 | SELECT A.customerid,
26 |     A.customername,
27 |     A.country,
28 |     B.orderid,
29 |     B.orderdate,
30 |     B.productid,
31 |     B.quantity,
32 | FROM ECOMMERCE.OPERATIONS.CUSTOMERS AS A
33 | LEFT JOIN ECOMMERCE.OPERATIONS.ORDERS AS B
34 | ON A.customerid = B.customerid;
35 |

```

Results (1 minute ago)

Table 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

Feedback

4.

Home Load sample data from AWS S3 with SQL phindy.sql 2025-10-20 11:28am +

ACCOUNTADMIN COMPUTE\_WH (X-Small) Choose database ...

```

35 |
36 | SELECT A.ProductID,
37 |        A.ProductName,
38 |        COUNT(B.OrderID) AS TotalOrders
39 | FROM ECOMMERCE.OPERATIONS.PRODUCTS AS A
40 | LEFT JOIN ECOMMERCE.OPERATIONS.ORDERS AS B
41 | ON A.ProductID = B.ProductID
42 | GROUP BY
43 |         A.ProductID,
44 |         A.ProductName
45 | ORDER BY
46 |         A.ProductID;
47 |

```

Results (just now)

Table 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

Feedback

5.

Home Load sample data from AWS S3 with SQL phindy.sql 2025-10-20 11:28am +

ACCOUNTADMIN COMPUTE\_WH (X-Small) Choose database ...

```

48 |
49 | SELECT
50 |     A.OrderID,
51 |     A.OrderDate,
52 |     B.ProductID,
53 |     B.ProductName,
54 |     B.Price,
55 |     A.Quantity,
56 | FROM ECOMMERCE.OPERATIONS.Orders AS A
57 | RIGHT JOIN ECOMMERCE.OPERATIONS.Products AS B
58 | ON A.ProductID = B.ProductID
59 | ORDER BY A.OrderID;

```

Results (1 minute ago)

Table Chart

#	ORDERID	ORDERDATE	PRODUCTID	PRODUCTNAME	PRICE	QUANTITY
1	2180	2023-07-19	2001	Product_2001	833	3
2	2723	2024-11-26	2001	Product_2001	833	5
3	2544	2024-04-23	2001	Product_2001	833	6
4	3555	2024-10-27	2001	Product_2001	833	10
5	2485	2024-04-26	2001	Product_2001	833	1
6	1259	2023-08-29	2001	Product_2001	833	5

Feedback

6.

A screenshot of a cloud-based SQL editor interface. The top navigation bar shows "Home", "Load sample data from AWS S3 with SQL", "phindy.sql", "2025-10-20 11:28am", and a plus sign for a new tab. On the right, it says "ACCOUNTADMIN COMPUTE\_WH (X-Small)", "Choose database", and three dots for more options. The left sidebar has icons for Home, Recent, Plus, Database, Table, Function, View, and PM. The main area shows a SQL query and its results. The SQL code is:

```
60  SELECT
61      A.CustomerID,
62      A.CustomerName,
63      A.Country,
64      B.OrderID,
65      B.OrderDate,
66      B.ProductID,
67      B.Quantity,
68  FROM ECOMMERCE.OPERATIONS.ORDERS AS B
69  RIGHT JOIN ECOMMERCE.OPERATIONS.CUSTOMERS AS A
70      ON A.CustomerID = B.CustomerID
71  ORDER BY A.CustomerID;
```

The results table has columns: CUSTOMERID, CUSTOMERNAME, COUNTRY, ORDERID, ORDERDATE, PRODUCTID, QUANTITY. The data is:

CUSTOMERID	CUSTOMERNAME	COUNTRY	ORDERID	ORDERDATE	PRODUCTID	QUANTITY
1001	Customer_1001	India	462	2024-06-14	2044	4
1002	Customer_1002	Germany	1824	2024-01-24	2034	3
1002	Customer_1002	Germany	2288	2024-11-09	2062	5
1002	Customer_1002	Germany	2176	2024-08-20	2088	10
1002	Customer_1002	Germany	3269	2024-06-07	2058	9
1002	Customer_1002	Germany	3268	2024-01-18	2039	7

7.

A screenshot of a cloud-based SQL editor interface, similar to the previous one. The top navigation bar shows "Home", "Load sample data from AWS S3 with SQL", "phindy.sql", "2025-10-20 11:28am", and a plus sign for a new tab. On the right, it says "ACCOUNTADMIN COMPUTE\_WH (X-Small)", "Choose database", and three dots for more options. The left sidebar has icons for Home, Recent, Plus, Database, Table, Function, View, and PM. The main area shows a SQL query and its results. The SQL code is:

```
73  SELECT
74      A.CustomerID,
75      A.CustomerName,
76      A.Country,
77      B.OrderID,
78      B.OrderDate,
79      B.ProductID,
80      B.Quantity,
81  FROM ECOMMERCE.OPERATIONS.CUSTOMERS AS A
82  FULL OUTER JOIN ECOMMERCE.OPERATIONS.ORDERS AS B
83      ON A.CustomerID = B.CustomerID
84  ORDER BY A.CustomerID, B.OrderID;
```

The results table has columns: CUSTOMERID, CUSTOMERNAME, COUNTRY, ORDERID, ORDERDATE, PRODUCTID, QUANTITY. The data is:

CUSTOMERID	CUSTOMERNAME	COUNTRY	ORDERID	ORDERDATE	PRODUCTID	QUANTITY
1001	Customer_1001	India	127	2024-06-30	2190	5
1001	Customer_1001	India	462	2024-06-14	2044	4
1001	Customer_1001	India	1106	2024-05-15	2084	10
1001	Customer_1001	India	1855	2024-05-04	2185	7
1001	Customer_1001	India	2602	2023-04-04	2197	7
1001	Customer_1001	India	2802	2024-03-14	2005	6

8.

Home Load sample data from AWS S3 with SQL phindy.sql 2025-10-20 11:28am + ACCOUNTADMIN COMPUTE\_WH (X-Small) Choose database ...

```
87 A.ProductID,
88 A.ProductName,
89 A.Price,
90 B.OrderID,
91 B.OrderDate,
92 B.CustomerID,
93 B.Quantity,
94 FROM ECOMMERCE.OPERATIONS.PRODUCTS AS A
95 FULL OUTER JOIN ECOMMERCE.OPERATIONS.ORDERS AS B
96 ON A.ProductID = B.ProductID
97 ORDER BY A.ProductID, B.OrderID;
```

Results (just now)

Table Chart

#	PRODUCTID	PRODUCTNAME	PRICE	ORDERID	ORDERDATE	CUSTOMERID	QUANTITY
1	2001	Product_2001	833	298	2023-07-28	1129	9
2	2001	Product_2001	833	427	2023-02-28	1070	6
3	2001	Product_2001	833	680	2024-10-29	1068	5
4	2001	Product_2001	833	715	2024-07-17	1117	3
5	2001	Product_2001	833	765	2023-05-12	1290	6
6	2001	Product_2001	833	1259	2023-08-29	1329	5

Feedback