

SQL JOIN Practice Instructions

1.

HomeLoad sample data from AWS S3 with SQLphindy.sql2025-10-20 11:28am

ACCOUNTADMINCOMPUTE_WH (X-Small)Choose database

```
4
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
```

Results (19 minutes ago)

TableChart4,000 rows650ms

	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

Feedback

2.

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ACCOUNTADMINCOMPUTE_WH (X-Small)Choose database

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

Results (5 minutes ago)

TableChart3,600 rows209ms

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

Feedback

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 4,000 rows 568ms

	#	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

```

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 200 rows 460ms

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

```

Results (1 minute ago)

Table Chart 4,000 rows 187ms

	#	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.

HomeLoad sample data from AWS S3 with SQLphindys.sql2025-10-20 11:28am

ACCOUNTADMINCOMPUTE_WH (X-Small)Choose database

60SELECT

61A.CustomerID,

62A.CustomerName,

63A.Country,

64B.OrderID,

65B.OrderDate,

66B.ProductID,

67B.Quantity,

68FROM ECOMMERCE.OPERATIONS.ORDERS AS B

69RIGHT JOIN ECOMMERCE.OPERATIONS.CUSTOMERS AS A

70ON A.CustomerID = B.CustomerID

71ORDER BY A.CustomerID;

Results (just now)

TableChart

4,000 rows245ms

	#	CUSTOMERID	CUSTOMERNAME	COUNTRY	#	ORDERID	ORDERDATE	#	PRODUCTID	#	QUANTITY
7		1001	Customer_1001	India		462	2024-06-14		2044		4
8		1002	Customer_1002	Germany		1824	2024-01-24		2034		3
9		1002	Customer_1002	Germany		2288	2024-11-09		2062		5
10		1002	Customer_1002	Germany		2176	2024-08-20		2088		10
11		1002	Customer_1002	Germany		3269	2024-06-07		2058		9
12		1002	Customer_1002	Germany		3268	2024-01-18		2039		7

7.

HomeLoad sample data from AWS S3 with SQLphindys.sql2025-10-20 11:28am

ACCOUNTADMINCOMPUTE_WH (X-Small)Choose database

73SELECT

74A.CustomerID,

75A.CustomerName,

76A.Country,

77B.OrderID,

78B.OrderDate,

79B.ProductID,

80B.Quantity,

81FROM ECOMMERCE.OPERATIONS.CUSTOMERS AS A

82FULL OUTER JOIN ECOMMERCE.OPERATIONS.ORDERS AS B

83ON A.CustomerID = B.CustomerID

84ORDER BY A.CustomerID, B.OrderID;

Results (just now)

TableChart

4,000 rows194ms

	#	CUSTOMERID	CUSTOMERNAME	COUNTRY	#	ORDERID	ORDERDATE	#	PRODUCTID	#	QUANTITY
1		1001	Customer_1001	India		127	2024-06-30		2190		5
2		1001	Customer_1001	India		462	2024-06-14		2044		4
3		1001	Customer_1001	India		1106	2024-05-15		2084		10
4		1001	Customer_1001	India		1855	2024-05-04		2185		7
5		1001	Customer_1001	India		2602	2023-04-04		2197		7
6		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

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ACCOUNTADMIN

COMPUTE_WH (X-Small)

Choose database

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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

4,000 rows

32ms

	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