

1. INNER JOIN: Orders with Customer and Product Names

2025-10-20 4:01pm2025-10-20 8:22pm2025-10-21 8:37am2025-10-25 10:28pm2025-11-03 11:12am2025-11-03 11:14am2025-11-03 11:16am+▼

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```
8      --Orders with Customer and Product Names
9  SELECT
10     A.OrderID,
11     A.OrderDate,
12     c.CustomerName,
13     p.ProductName,
14     A.Quantity
15  FROM
16     "PRACTICAL2"."JOINS"."ORDERS" A
17  JOIN
18     "PRACTICAL2"."JOINS"."CUSTOMERS" c ON A.CustomerID = c.CustomerID
19  JOIN
20     "PRACTICAL2"."JOINS"."PRODUCTS" p ON A.ProductID = p.ProductID
21  ORDER BY
22     A.OrderID;
```

ResultsChart

#	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	2023-12-06	Customer_1322	Product_2078	

Query Details

Query duration200ms

Rows4K

Query ID01c031fb-000c-b2ea-0...

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2. INNER JOIN: Customers Who Placed Orders

2025-10-20 4:01...

2025-10-20 8:22pm

2025-10-21 8:37am

2025-10-25 10:28pm

2025-11-03 11:12am

2025-11-03 11:14am

2025-11-03 11:16am

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24--INNER JOIN: Customers Who Placed Orders--
25SELECT
26A.CustomerID,
27A.OrderID,
28A.OrderDate,
29c.CustomerName,
30c.country
31FROM "PRACTICAL2"."JOINS"."CUSTOMERS" c
32JOIN
33"PRACTICAL2"."JOINS"."ORDERS" A ON c.CustomerID = A.CustomerID
34ORDER BY
35c.CUSTOMERID;

ResultsChart

	# CUSTOMERID	# ORDERID	ORDERDATE	CUSTOMERNAME	COUNTRY
1	1001	2802	2024-03-14	Customer_1001	India
2	1001	1855	2024-05-04	Customer_1001	India
3	1001	3408	2024-04-15	Customer_1001	India
4	1001	1106	2024-05-15	Customer_1001	India
5	1001	127	2024-06-30	Customer_1001	India
6	1001	2602	2023-04-04	Customer_1001	India
7	1001	462	2024-06-14	Customer_1001	India
8	1002	1824	2024-01-24	Customer_1002	Germany
9	1002	2288	2024-11-09	Customer_1002	Germany
10	1002	2176	2024-08-20	Customer_1002	Germany

Query Details

Query duration179ms

Rows4K

Query ID01c0320e-000c-b2ea-0...

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CUSTOMERID#1400

3. LEFT JOIN: All Customers and Their Orders

2025-10-20 4:01pm2025-10-20 8:22pm2025-10-21 8:37am2025-10-25 10:28pm2025-11-03 11:12am2025-11-03 11:14am2025-11-03 11:16am+

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PRACTICAL2.JOINS Settings

--LEFT JOIN: All Customers and Their Orders--
SELECT
 B.CustomerID,
 B.CustomerName,
 B.Country,
 A.OrderID,
 A.OrderDate,
 A.ProductID,
 A.Quantity
FROM
 "PRACTICAL2"."JOINS"."CUSTOMERS" B
LEFT JOIN
 "PRACTICAL2"."JOINS"."ORDERS" A ON B.CustomerID = A.CustomerID
ORDER BY
 B.CustomerID;

ResultsChart

	# CUSTOMERID	CUSTOMERNAME	COUNTRY	# ORDERID	ORDERDATE	# PRODUCTID	# QUANTITY
1	1001	Customer_1001	India	2802	2024-03-14	2005	6
2	1001	Customer_1001	India	1855	2024-05-04	2185	7
3	1001	Customer_1001	India	3408	2024-04-15	2100	5
4	1001	Customer_1001	India	1106	2024-05-15	2084	10
5	1001	Customer_1001	India	127	2024-06-30	2190	5
6	1001	Customer_1001	India	2602	2023-04-04	2197	7
7	1001	Customer_1001	India	462	2024-06-14	2044	4
8	1002	Customer_1002	Germany	1824	2024-01-24	2034	3

Query Details

Query duration579ms

Rows4K

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CUSTOMERID#

4. LEFT JOIN: Product Order Count

2025-10-20 4:01pm2025-10-20 8:22pm2025-10-21 8:37am2025-10-25 10:28pm2025-11-03 11:12am2025-11-03 11:14am2025-11-03 11:16am+

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```
52
53 --LEFT JOIN: Product Order Count--
54 SELECT
55     p.ProductID,
56     p.ProductName,
57     COUNT(o.OrderID) AS TotalOrders
58 FROM
59     "PRACTICAL2"."JOINS"."PRODUCTS" p
60 LEFT JOIN
61     "PRACTICAL2"."JOINS"."ORDERS" o ON p.ProductID = o.ProductID
62 GROUP BY
63     p.ProductID,
64     p.ProductName
65 ORDER BY
66     p.ProductID;
```

ResultsChart

	# 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

Query Details

Query duration283ms

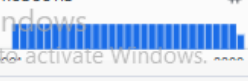
Rows200

Query ID01c03220-000c-b2eb-0...

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PRODUCTID

#



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5. RIGHT JOIN: Orders with Product Info (Include Products Not Ordered)

2025-10-20 4:01pm2025-10-20 8:22pm2025-10-21 8:37am2025-10-25 10:28pm2025-11-03 11:12am2025-11-03 11:14am2025-11-03 11:16am+

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--RIGHT JOIN: Orders with Product--
SELECT
A.OrderID,
A.OrderDate,
B.ProductID,
B.ProductName,
B.Price,
A.Quantity
FROM
Orders A
RIGHT JOIN
Products B ON A.ProductID = B.ProductID
ORDER BY
B.ProductID;

ResultsChart

	# 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
7	427	2023-02-28	2001	Product_2001	833	6
8	3663	2023-03-12	2001	Product_2001	833	9
9	680	2024-10-29	2001	Product_2001	833	5

Query Details

Query duration196ms

Rows4K

Query ID01c03226-000c-b2eb-0...

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ORDERID#

4000

6. RIGHT JOIN: Customer Info with Orders (Include All Customers)

2025-10-20 4:01pm2025-10-20 8:22pm2025-10-21 8:37am2025-10-25 10:28pm2025-11-03 11:12am2025-11-03 11:14am2025-11-03 11:16am+

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82
83 --RIGHT JOIN: Customer Info with Orders--
84 SELECT
85 A.CustomerID,
86 A.OrderID,
87 A.OrderDate,
88 A.Quantity,
89 B.CustomerName,
90 B.Country,
91 A.ProductID
92 From
93 "PRACTICAL2"."JOINS"."ORDERS" A
94 RIGHT JOIN
95 "PRACTICAL2"."JOINS"."CUSTOMERS" B ON A.CUSTOMERID = B.CUSTOMERID
96 ORDER BY
97 B.CUSTOMERID;

ResultsChart

	# CUSTOMERID	# ORDERID	ORDERDATE	# QUANTITY	CUSTOMERNAME	COUNTRY	# PRODUCTID
1	1001	2802	2024-03-14	6	Customer_1001	India	2005
2	1001	1855	2024-05-04	7	Customer_1001	India	2185
3	1001	3408	2024-04-15	5	Customer_1001	India	2100
4	1001	1106	2024-05-15	10	Customer_1001	India	2084
5	1001	127	2024-06-30	5	Customer_1001	India	2190
6	1001	2602	2023-04-04	7	Customer_1001	India	2197
7	1001	462	2024-06-14	4	Customer_1001	India	2044
8	1002	1824	2024-01-24	3	Customer_1002	Germany	2034

Query Details

Query duration 657ms

Rows 4K

Query ID 01c0323e-000c-b2eb-0...

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CUSTOMERID #

7. FULL OUTER JOIN: All Customers and All Orders

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```
99 SELECT
100     A.CustomerID,
101     A.CustomerName,
102     A.Country,
103     B.OrderID,
104     B.OrderDate,
105     B.ProductID,
106     B.Quantity
107 FROM
108     "PRACTICAL2"."JOINS"."CUSTOMERS" A
109 FULL OUTER JOIN
110     "PRACTICAL2"."JOINS"."ORDERS" B ON A.CustomerID = B.CustomerID
111 ORDER BY
112     A.CustomerID;
```

Results Chart

	# CUSTOMERID	A CUSTOMERNAME	A COUNTRY	# ORDERID	🕒 ORDERDATE	# PRODUCTID	# QUANTITY
1	1001	Customer_1001	India	2802	2024-03-14	2005	6
2	1001	Customer_1001	India	1855	2024-05-04	2185	7
3	1001	Customer_1001	India	3408	2024-04-15	2100	5
4	1001	Customer_1001	India	1106	2024-05-15	2084	10
5	1001	Customer_1001	India	127	2024-06-30	2190	5
6	1001	Customer_1001	India	2602	2023-04-04	2197	7
7	1001	Customer_1001	India	462	2024-06-14	2044	4
8	1002	Customer_1002	Germany	1824	2024-01-24	2034	5
9	1002	Customer_1002	Germany	2288	2024-11-09	2062	5

Query Details

Query duration 868ms

Rows 4K

Query ID 01c042b8-000c-b3fd-0...

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CUSTOMERID

#

1001 1400

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8. FULL OUTER JOIN: All Products and Orders

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113 --FULL OUTER JOIN: All Products and Orders--
114 SELECT
115 A.ProductID,
116 A.ProductName,
117 A.Price,
118 B.OrderID,
119 B.OrderDate,
120 B.CustomerID,
121 B.Quantity
122 FROM
123 "PRACTICAL2"."JOINS"."PRODUCTS" A
124 FULL OUTER JOIN
125 "PRACTICAL2"."JOINS"."ORDERS" B ON A.ProductID = B.ProductID
126 ORDER BY
127 A.ProductID;

Results Chart

	# PRODUCTID	PRODUCTNAME	# PRICE	# ORDERID	ORDERDATE	# CUSTOMERID	# QUANTITY
1	2001	Product_2001	833	2180	2023-07-19	1249	3
2	2001	Product_2001	833	2723	2024-11-26	1368	5
3	2001	Product_2001	833	2544	2024-04-23	1186	6
4	2001	Product_2001	833	3555	2024-10-27	1358	10
5	2001	Product_2001	833	2485	2024-04-26	1284	1
6	2001	Product_2001	833	1259	2023-08-29	1329	5
7	2001	Product_2001	833	427	2023-02-28	1070	6
8	2001	Product_2001	833	3663	2023-03-12	1219	9
9	2001	Product_2001	833	680	2024-10-29	1068	5

Query Details

Query duration 359ms

Rows 4K

Query ID 01c042bf-000c-b3fd-0...

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PRODUCTID #

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