

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrive Execute Debug

Object Explorer

Connect

PCA159\SQL2017 (SQL Server 14.0.1000 - PC)

Databases

System Databases

Database Snapshots

Northwind

Retrive

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.customer

dbo.orders

dbo.salesman

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Sample1

Sample2

Sample3

Server Objects

Replication

PolyBase

Management

XEvent Profiler

SQLQuery1.sql - PC...(PCA159\tatva (53)) - P SQLQuery2.sql - PC...(PCA159\tatva (53))

```
(70010,1983.43,'2012-10-10',3004,5006),  
(70003,2480.4,'2012-10-10',3009,5003),  
(70012,250.45,'2012-06-27',3008,5002),  
(70011,75.29,'2012-06-17',3003,5007),  
(70013,3045.6,'2012-04-25',3002,5001);
```

```
select salesman.name, customer.cust_name, customer.city  
from salesman  
INNER JOIN customer  
ON salesman.city = customer.city;
```

100 %

Results Messages

	name	cust_name	city
1	Pit Alex	Brad Guzan	London
2	James Hoog	Nick Rimando	New York
3	Nail Knto	Fabian Johnseon	Paris
4	Mc Lyon	Fabian Johnson	Paris
5	James Hoog	Brad Davis	New York
6	Pit Alex	Julian Green	London

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrive 00:00:00 6 rows

Ready Ln 1 Col 1 INS

ENG IN 11:46 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53)) SQLQuery2.sql - PC...(PCA159\tatva (53))

```
insert into orders
values (70001,150.5,'2012-10-05',3005,5002),
(70009,270.65,'2012-09-10',3001,5005),
(70002,65.26,'2012-10-05',3002,5001),
(70004,110.5,'2012-08-17',3009,5003),
(70007,948.5,'2012-09-10',3005,5002),
(70005,2400.6,'2012-07-27',3007,5001),
(70008,5760,'2012-09-10',3002,5001),
(70010,1983.43,'2012-10-10',3004,5006),
(70003,2480.4,'2012-10-10',3009,5003),
(70012,250.45,'2012-06-27',3008,5002),
(70011,75.29,'2012-08-17',3003,5007),
(70013,3045.6,'2012-04-25',3002,5001);

Select * from orders;

Select * from salesman;
Select * from customer;

select salesman.name, customer.cust_name, customer.city
from salesman
INNER JOIN customer
on salesman.city = customer.city;

select orders.ord_no, orders.purch_amt, customer.cust_name, customer.city
from orders
INNER JOIN customer
on (customer.customer_id = orders.customer_id)
AND orders.purch_amt BETWEEN 500 AND 2000;
```

100 %

Results Messages

	ord_no	purch_amt	cust_name	city
1	70007	949	Graham Zusi	California
2	70010	1983	Fabian Johnson	Paris

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 2 rows

Failed to load C:\Users\tatva\AppData\Local\Temp\~vsCC2.sql

Ln 78 Col 1 Ch 1 INS

ENG IN 12:17 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53)) SQLQuery2.sql - PC... (PCA159\tatva (53))

```
(70010,1983.43,'2012-10-10',3004,5006),
(70003,2480.4,'2012-10-10',3009,5003),
(70012,250.45,'2012-06-27',3008,5002),
(70011,75.29,'2012-08-17',3003,5007),
(70013,3045.5,'2012-04-25',3002,5001);

Select * from orders;

Select * from salesman;
Select * from customer;

select salesman.name, customer.cust_name, customer.city
from salesman
INNER JOIN customer
on salesman.city = customer.city;

select orders.ord_no, orders.purch_amt, customer.cust_name, customer.city
from orders
INNER JOIN customer
on (customer.customer_id = orders.customer_id)
AND orders.purch_amt BETWEEN 500 AND 2000;

select salesman.name, customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id;
```

100 %

Results Messages

	name	cust_name	city	commission
1	Pit Alex	Brad Guzan	London	0
2	James Hoog	Nick Rimando	New York	0
3	Paul Adam	Jozy Altidor	Moscow	0
4	Mo Lyon	Fabian Johnson	Paris	0
5	Nail Knite	Graham Zusi	California	0
6	James Hoog	Brad Davis	New York	0
7	Nail Knite	Julian Green	London	0
8	Lauson	Geoff Cameron	Berlin	0

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 8 rows

Ready Ln 86 Col 1 Ch 1 INS

Windows taskbar icons: File Explorer, Microsoft Edge, Google Chrome, Slack, and others.

System tray: ENG IN, 12:40, 06-02-2023.

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53))\* SQLQuery2.sql - PC... (PCA159\tatva (53))

```
INNER JOIN customer
on salesman.city = customer.city;

select orders.ord_no, orders.purch_amt, customer.cust_name, customer.city
from orders
INNER JOIN customer
on (customer.customer_id = orders.customer_id)
AND orders.purch_amt BETWEEN 500 AND 2000;

select salesman.name, customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id;

update salesman SET commission = 7 where salesman_id = 5001;
update salesman SET commission = 10 where salesman_id = 5002;
update salesman SET commission = 15 where salesman_id = 5003;
update salesman SET commission = 9 where salesman_id = 5007;
update salesman SET commission = 8 where salesman_id = 5005;
update salesman SET commission = 11 where salesman_id = 5006;

select customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id AND salesman.commission > 12;
```

100 %

Results Messages

	cust_name	city	commission
1	Geoff Cameron	Berlin	15

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 1 rows

Ready Ln 99 Col 1 Ch 1 INS

12:58 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53))\* SQLQuery2.sql - PC...(PCA159\tatva (53))

```
select salesman.name, customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id;

update salesman SET commission = 7 where salesman_id = 5001;
update salesman SET commission = 10 where salesman_id = 5002;
update salesman SET commission = 15 where salesman_id = 5003;
update salesman SET commission = 9 where salesman_id = 5007;
update salesman SET commission = 8 where salesman_id = 5005;
update salesman SET commission = 11 where salesman_id = 5006;

select customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id AND salesman.commission > 12;

select customer.cust_name, customer.city, salesman.name, salesman.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.city <> customer.city AND salesman.commission > 12;
```

100 %

Results Messages

	cust_name	city	name	city	commission
1	Brad Guzan	London	Lauson	San Jose	15
2	Nick Rimando	New York	Lauson	San Jose	15
3	Jozzy Altidor	Moscow	Lauson	San Jose	15
4	Fabian Johnson	Paris	Lauson	San Jose	15
5	Graham Zusi	California	Lauson	San Jose	15
6	Brad Davis	New York	Lauson	San Jose	15
7	Julian Green	London	Lauson	San Jose	15
8	Geoff Cameron	Berlin	Lauson	San Jose	15

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 8 rows

Ready Ln 105 Col 1 Ch 1 INS

13:03 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53))\* SQLQuery2.sql - PC... (PCA159\tatva (55))

```
on salesman.salesman_id = customer.salesman_id;

update salesman SET commission = 7 where salesman_id = 5001;
update salesman SET commission = 10 where salesman_id = 5002;
update salesman SET commission = 15 where salesman_id = 5003;
update salesman SET commission = 9 where salesman_id = 5007;
update salesman SET commission = 8 where salesman_id = 5005;
update salesman SET commission = 11 where salesman_id = 5006;

select customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id AND salesman.commission > 12;

select customer.cust_name, customer.city, salesman.name, salesman.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.city <> customer.city AND salesman.commission > 12;

select orders.ord_no, orders.ord_date, orders.purch_amt, customer.cust_name as "Customer Name", customer.grade, salesman.name as "Salesman", salesman.commission
from orders, customer, salesman
where orders.customer_id = customer.customer_id AND orders.salesman_id = salesman.salesman_id;
```

100 %

Results Messages

	ord_no	ord_date	purch_amt	Customer Name	grade	Salesman	commission
1	70001	2012-10-05	151	Graham Zusi	200	Nail Knite	10
2	70002	2012-10-05	65	Nick Rimando	100	James Hoog	7
3	70003	2012-10-10	2480	Geoff Cameron	100	Lauson	15
4	70004	2012-08-17	111	Geoff Cameron	100	Lauson	15
5	70005	2012-07-27	2401	Brad Davis	200	James Hoog	7
6	70007	2012-09-10	949	Graham Zusi	200	Nail Knite	10
7	70008	2012-09-10	5760	Nick Rimando	100	James Hoog	7
8	70009	2012-09-10	271	Brad Guzan	100	Pit Alex	8
9	70010	2012-10-10	1983	Fabian Johnson	300	Mc Lyon	11
10	70011	2012-08-17	75	Jozy Altidor	200	Paul Adam	9
11	70012	2012-06-27	250	Julian Green	300	Nail Knite	10
12	70013	2012-04-25	3046	Nick Rimando	100	James Hoog	7

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 12 rows

Ready Ln 111 Col 1 Ch 1 INS

14:19 06-02-2023



SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53)) SQLQuery2.sql - PC... (PCA159\tatva (55))

```
update salesman SET commission = 9 where salesman_id = 5007;
update salesman SET commission = 8 where salesman_id = 5005;
update salesman SET commission = 11 where salesman_id = 5006;

select customer.cust_name, customer.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.salesman_id = customer.salesman_id AND salesman.commission > 12;

select customer.cust_name, customer.city, salesman.name, salesman.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.city <> customer.city AND salesman.commission > 12;

select orders.ord_no, orders.ord_date, orders.purch_amt, customer.cust_name as "Customer Name", customer.grade, salesman.name as "Salesman", salesman.commission
from orders, customer, salesman
where orders.customer_id = customer.customer_id AND orders.salesman_id = salesman.salesman_id;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.customer_id, customer.cust_name, customer.city, customer.grade, salesman.salesman_id, salesman.name, salesman.commission from orders
inner join customer
on orders.customer_id = customer.customer_id
inner join salesman
on orders.salesman_id = salesman.salesman_id;
```

100 %

Results Messages

	ord_no	purch_amt	ord_date	customer_id	cust_name	city	grade	salesman_id	name	commission
1	70001	151	2012-10-05	3005	Graham Zusi	California	200	5002	Nail Knite	10
2	70002	65	2012-10-05	3002	Nick Rimando	New York	100	5001	James Hoog	7
3	70003	2480	2012-10-10	3009	Geoff Cameron	Berlin	100	5003	Lauson	15
4	70004	111	2012-08-17	3009	Geoff Cameron	Berlin	100	5003	Lauson	15
5	70005	2401	2012-07-27	3007	Brad Davis	New York	200	5001	James Hoog	7
6	70007	949	2012-09-10	3005	Graham Zusi	California	200	5002	Nail Knite	10
7	70008	5760	2012-09-10	3002	Nick Rimando	New York	100	5001	James Hoog	7
8	70009	271	2012-09-10	3001	Brad Guzan	London	100	5005	Pit Alex	8
9	70010	1983	2012-10-10	3004	Fabian Johnson	Paris	300	5006	Mc Lyon	11
10	70011	75	2012-08-17	3003	Jozy Altidor	Moscow	200	5007	Paul Adam	9
11	70012	250	2012-06-27	3008	Julian Green	London	300	5002	Nail Knite	10
12	70013	3046	2012-04-25	3002	Nick Rimando	New York	100	5001	James Hoog	7

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 12 rows

Ready Ln 116 Col 1 Ch 1 INS

15:06 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53))\* SQLQuery2.sql - PC...(PCA159\tatva (55))

```
select customer.cust_name, customer.city, salesman.name, salesman.city, salesman.commission
from salesman
INNER JOIN customer
on salesman.city <> customer.city AND salesman.commission > 12;

select orders.ord_no, orders.ord_date, orders.purch_amt, customer.cust_name as "Customer Name", customer.grade, salesman.name as "Salesman", salesman.commission
from orders, customer, salesman
where orders.customer_id = customer.customer_id AND orders.salesman_id = salesman.salesman_id;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.customer_id, customer.cust_name, customer.city ,customer.grade, salesman.salesman_id, salesman.name, salesman.commission from orders
inner join customer
on orders.customer_id = customer.customer_id
inner join salesman
on orders.salesman_id = salesman.salesman_id;

select customer.cust_name, customer.city ,customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city
order by customer.customer_id ASC;
```

100 %

Results Messages

	cust_name	city	grade	city	name
1	Brad Guzan	London	100	London	Pit Alex
2	Nick Rimando	New York	100	New York	James Hoog
3	Fabian Johnson	Paris	300	Paris	Nail Knite
4	Fabian Johnson	Paris	300	Paris	Mc Lyon
5	Brad Davis	New York	200	New York	James Hoog
6	Julian Green	London	300	London	Pit Alex

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) | PCA159\tatva (53) | Retrieve | 00:00:00 | 6 rows

Ready

Ln 123 Col 1 Ch 1 INS

15:14 06-02-2023



SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53))\* SQLQuery2.sql - PC... (PCA159\tatva (55))

```
from salesman
INNER JOIN customer
on salesman.city <> customer.city AND salesman.commission > 12;

select orders.ord_no, orders.ord_date, orders.purch_amt, customer.cust_name as "Customer Name", customer.grade, salesman.name as "Salesman", salesman.commission
from orders, customer, salesman
where orders.customer_id = customer.customer_id AND orders.salesman_id = salesman.salesman_id;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.customer_id, customer.cust_name, customer.city ,customer.grade, salesman.salesman_id, salesman.name, salesman.commission from orders
inner join customer
on orders.customer_id = customer.customer_id
inner join salesman
on orders.salesman_id = salesman.salesman_id;

select customer.cust_name, customer.city ,customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city
order by customer.customer_id ASC;

select customer.cust_name, customer.city ,customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city AND customer.grade < 300
order by customer.customer_id ASC;
```

100 %

Results Messages

	cust_name	city	grade	city	name
1	Brad Guzan	London	100	London	Pit Alex
2	Nick Rimando	New York	100	New York	James Hoog
3	Brad Davis	New York	200	New York	James Hoog

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) | PCA159\tatva (53) | Retrieve | 00:00:00 | 3 rows

Ready

Ln 130 Col 2 Ch 2 INS

15:18 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53)) SQLQuery2.sql - PC...(PCA159\tatva (53))

```
select customer.cust_name, customer.city, customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city
order by customer.customer_id ASC;

select customer.cust_name, customer.city, customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city AND customer.grade < 300
order by customer.customer_id ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city
from orders
inner join customer
on customer.customer_id = orders.customer_id
order by orders.ord_date ASC;
```

100 %

Results Messages

	ord_no	purch_amt	ord_date	cust_name	city
1	70013	3046	2012-04-25	Nick Rimando	New York
2	70012	250	2012-06-27	Julian Green	London
3	70005	2401	2012-07-27	Brad Davis	New York
4	70004	111	2012-08-17	Geoff Cameron	Berlin
5	70011	75	2012-08-17	Jozsy Altidor	Moscow
6	70007	949	2012-09-10	Graham Zuei	California
7	70008	5760	2012-09-10	Nick Rimando	New York
8	70009	271	2012-09-10	Brad Guzan	London
9	70001	151	2012-10-05	Graham Zuei	California
10	70002	65	2012-10-05	Nick Rimando	New York
11	70003	2430	2012-10-10	Geoff Cameron	Berlin
12	70010	1993	2012-10-10	Fabian Johnson	Paris

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 12 rows

Ready Ln 138 Col 1 Ch 1 INS

15:23 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53))\* SQLQuery2.sql - PC...(PCA159\tatva (55))

```
select customer.cust_name, customer.city ,customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city
order by customer.customer_id ASC;

select customer.cust_name, customer.city ,customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city AND customer.grade < 300
order by customer.customer_id ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city
from orders
inner join customer
on customer.customer_id = orders.customer_id
order by orders.ord_date ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city , salesman.name ,salesman.commission
from orders
left join customer
on customer.customer_id = orders.customer_id
left join salesman
on salesman.salesman_id = orders.salesman_id
```

100 %

Results Messages

	ord_no	purch_amt	ord_date	cust_name	city	name	commission
1	70001	151	2012-10-05	Graham Zusi	California	Nail Knite	10
2	70002	65	2012-10-05	Nick Rimando	New York	James Hoog	7
3	70003	2480	2012-10-10	Geoff Cameron	Berlin	Lauson	15
4	70004	111	2012-08-17	Geoff Cameron	Berlin	Lauson	15
5	70005	2401	2012-07-27	Brad Davis	New York	James Hoog	7
6	70007	949	2012-09-10	Graham Zusi	California	Nail Knite	10
7	70008	5760	2012-09-10	Nick Rimando	New York	James Hoog	7
8	70009	271	2012-09-10	Brad Guzan	London	Pit Alex	8
9	70010	1983	2012-10-10	Fabian Johnson	Paris	Mc Lyon	11
10	70011	75	2012-08-17	Jozy Altidor	Moscow	Paul Adam	9
11	70012	250	2012-06-27	Julian Green	London	Nail Knite	10
12	70013	3046	2012-04-25	Nick Rimando	New York	James Hoog	7

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 12 rows

Ready Ln 145 Col 1 Ch 1 INS

15:32 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

```
SQLQuery1.sql - PC... (PCA159\tatva (53))* X SQLQuery2.sql - PC... (PCA159\tatva (53))
select customer.cust_name, customer.city, customer.grade, salesman.city, salesman.name
from customer
inner join salesman
on salesman.city = customer.city AND customer.grade < 300
order by customer.customer_id ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city
from orders
inner join customer
on customer.customer_id = orders.customer_id
order by orders.ord_date ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city, salesman.name, salesman.commission
from orders
left join customer
on customer.customer_id = orders.customer_id
left join salesman
on salesman.salesman_id = orders.salesman_id

select customer.cust_name, customer.city, salesman.city as "Salesman City", salesman.name as "Salesman Name"
from salesman
right join customer
on salesman.salesman_id = customer.salesman_id
ORDER BY salesman.name ASC;
```

100 %

Results Messages

	cust_name	city	Salesman City	Salesman Name
1	Nick Rimando	New York	New York	James Hoog
2	Brad Davis	New York	New York	James Hoog
3	Geoff Cameron	Berlin	San Jose	Lauson
4	Fabian Johnson	Paris	Paris	Mc Lyon
5	Graham Zusi	California	Paris	Nail Knte
6	Julian Green	London	Paris	Nail Knte
7	Jozy Altidor	Moscow	Rome	Paul Adam
8	Brad Guzan	London	London	Pit Alex

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 8 rows

Ready Ln 153 Col 1 Ch 1 INS

15:38 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrive (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrive Execute Debug

```
from orders
left join customer
on customer.customer_id = orders.customer_id
left join salesman
on salesman.salesman_id = orders.salesman_id

select customer.cust_name, customer.city , salesman.city as "Salesman City", salesman.name as "Salesman Name"
from salesman
right join customer
on salesman.salesman_id = customer.salesman_id
ORDER BY salesman.name ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city as "Customer City", customer.grade, salesman.name as "Salesman Name"
from salesman
left join customer
on salesman.salesman_id = customer.salesman_id
left join orders
on salesman.salesman_id = orders.salesman_id;
```

100 %

Results Messages

	ord_no	purch_amt	ord_date	cust_name	Customer City	grade	Salesman Name
1	70002	65	2012-10-05	Nick Rimando	New York	100	James Hoog
2	70005	2401	2012-07-27	Nick Rimando	New York	100	James Hoog
3	70008	5760	2012-09-10	Nick Rimando	New York	100	James Hoog
4	70013	3046	2012-04-25	Nick Rimando	New York	100	James Hoog
5	70002	65	2012-10-05	Brad Davis	New York	200	James Hoog
6	70005	2401	2012-07-27	Brad Davis	New York	200	James Hoog
7	70008	5760	2012-09-10	Brad Davis	New York	200	James Hoog
8	70013	3046	2012-04-25	Brad Davis	New York	200	James Hoog
9	70001	151	2012-10-05	Graham Zusi	California	200	Nail Krite
10	70007	949	2012-09-10	Graham Zusi	California	200	Nail Krite
11	70012	250	2012-06-27	Graham Zusi	California	200	Nail Krite
12	70001	151	2012-10-05	Julian Green	London	300	Nail Krite
13	70007	949	2012-09-10	Julian Green	London	300	Nail Krite
14	70012	250	2012-06-27	Julian Green	London	300	Nail Krite
15	70003	2480	2012-10-10	Geoff Camer...	Berlin	100	Lauson
16	70004	111	2012-08-17	Geoff Camer...	Berlin	100	Lauson
17	70009	271	2012-09-10	Brad Guzan	London	100	Pit Alex
18	70010	1983	2012-10-10	Fabian John...	Paris	300	Mc Lyon
19	70011	75	2012-08-17	Jozy Altidor	Moscow	200	Paul Adam

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrive 00:00:00 19 rows

Ready Ln 160 Col 1 Ch 1 INS

15:45 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC... (PCA159\tatva (53))\* SQLQuery2.sql - PC... (PCA159\tatva (55))

```
select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city, salesman.name, salesman.commission
from orders
left join customer
on customer.customer_id = orders.customer_id
left join salesman
on salesman.salesman_id = orders.salesman_id

select customer.cust_name, customer.city, salesman.city as "Salesman City", salesman.name as "Salesman Name"
from salesman
right join customer
on salesman.salesman_id = customer.salesman_id
ORDER BY salesman.name ASC;

select orders.ord_no, orders.purch_amt, orders.ord_date, customer.cust_name, customer.city as "Customer City", customer.grade, salesman.name as "Salesman Name"
from salesman
left join customer
on salesman.salesman_id = customer.salesman_id
left join orders
on salesman.salesman_id = orders.salesman_id;

select customer.cust_name, customer.city, customer.grade, salesman.city as "Salesman City", salesman.name as "Salesman Name", orders.ord_no
from orders
right join customer
on orders.customer_id = customer.customer_id
right join salesman
on orders.salesman_id = salesman.salesman_id
AND orders.purch_amt > 2000;
```

100 %

Results Messages

	cust_name	city	grade	Salesman City	Salesman Name	ord_no
1	Brad Davis	New York	200	New York	James Hoog	70005
2	Nick Rimando	New York	100	New York	James Hoog	70008
3	Nick Rimando	New York	100	New York	James Hoog	70013
4	NULL	NULL	NULL	Paris	Nail Knite	NULL
5	Geoff Cameron	Berlin	100	San Jose	Lauson	70003
6	NULL	NULL	NULL	London	Pit Alex	NULL
7	NULL	NULL	NULL	Paris	Mc Lyon	NULL
8	NULL	NULL	NULL	Rome	Paul Adam	NULL

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) | PCA159\tatva (53) | Retrieve | 00:00:00 | 8 rows

Ready

Ln 169 Col 1 Ch 1 INS

16:02 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53))\* SQLQuery2.sql - PC...(PCA159\tatva (53))

```
from salesman
left join customer
on salesman.salesman_id = customer.salesman_id
left join orders
on salesman.salesman_id = orders.salesman_id;

select customer.cust_name, customer.city, customer.grade, salesman.city as "Salesman City", salesman.name as "Salesman Name", orders.ord_no
from orders
right join customer
on orders.customer_id = customer.customer_id
right join salesman
on orders.salesman_id = salesman.salesman_id
AND orders.purch_amt > 2000;

select customer.cust_name, customer.city, customer.grade, salesman.city as "Salesman City", salesman.name as "Salesman Name", orders.ord_no
from customer
right outer join salesman
on salesman.salesman_id = customer.salesman_id
left outer join orders
on orders.customer_id = customer.customer_id
where orders.purch_amt >= 2000
AND customer.grade IS NOT NULL;
```

100 %

Results Messages

	cust_name	city	grade	Salesman City	Salesman Name	ord_no
1	Geoff Cameron	Berlin	100	San Jose	Lauson	70003
2	Brad Davis	New York	200	New York	James Hoog	70005
3	Nick Rimando	New York	100	New York	James Hoog	70008
4	Nick Rimando	New York	100	New York	James Hoog	70013

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 4 rows

Ready Ln 178 Col 1 Ch 1 INS

16:18 06-02-2023



SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\atava (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\atava (53))\* SQLQuery2.sql - PC...(PCA159\atava (53))

```
from orders
right join customer
on orders.customer_id = customer.customer_id
right join salesman
on orders.salesman_id = salesman.salesman_id
AND orders.purch_amt > 2000;

select customer.cust_name, customer.city, customer.grade, salesman.city as "Salesman City", salesman.name as "Salesman Name", orders.ord_no
from customer
right outer join salesman
on salesman.salesman_id = customer.salesman_id
left outer join orders
on orders.customer_id = customer.customer_id
where orders.purch_amt >= 2000
AND customer.grade IS NOT NULL;

select customer.cust_name, customer.city, customer.grade, orders.ord_no, orders.ord_date, orders.purch_amt as "Order Amount"
from customer
full outer join orders
on customer.customer_id = orders.customer_id
where customer.grade IS NOT NULL;
```

100 %

Results Messages

	cust_name	city	grade	ord_no	ord_date	Order Amount
1	Brad Guzan	London	100	70009	2012-09-10	271
2	Nick Rimando	New York	100	70002	2012-10-05	65
3	Nick Rimando	New York	100	70008	2012-09-10	5750
4	Nick Rimando	New York	100	70013	2012-04-25	3046
5	Jozzy Altidor	Moscow	200	70011	2012-08-17	75
6	Fabian Johnson	Paris	300	70010	2012-10-10	1983
7	Graham Zusi	California	200	70001	2012-10-05	151
8	Graham Zusi	California	200	70007	2012-09-10	949
9	Brad Davis	New York	200	70005	2012-07-27	2401
10	Julian Green	London	300	70012	2012-06-27	250
11	Geoff Cameron	Berlin	100	70003	2012-10-10	2480
12	Geoff Cameron	Berlin	100	70004	2012-08-17	111

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\atava (53) Retrieve 00:00:00 12 rows

Ready Ln 189 Col 1 Ch 1 INS

16:30 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query Activity Monitor Generic Debugger

Retrieve Execute Debug

SQLQuery1.sql - PC...(PCA159\tatva (53))\* SQLQuery2.sql - PC...(PCA159\tatva (55))

```
select customer.cust_name, customer.city , customer.grade, salesman.city as "Salesman City", salesman.name as "Salesman Name", orders.ord_no
from customer
right outer join salesman
on salesman.salesman_id = customer.salesman_id
left outer join orders
on orders.customer_id = customer.customer_id
where orders.purch_amt >= 2000
AND customer.grade IS NOT NULL;

select customer.cust_name, customer.city , customer.grade, orders.ord_no, orders.ord_date, orders.purch_amt as "Order Amount"
from customer
full outer join orders
on customer.customer_id = orders.customer_id
where customer.grade IS NOT NULL;

select customer.customer_id, customer.cust_name, customer.city as "Customer City", customer.grade, salesman.salesman_id, salesman.name as "Salesman Name", salesman.city as "Salesman City", salesman.commission
from customer
inner join salesman
on customer.salesman_id = salesman.salesman_id;
```

100 %

Results Messages

	customer_id	cust_name	Customer City	grade	salesman_id	Salesman Name	Salesman City	commission
1	3001	Brad Guzan	London	100	5005	Pit Alex	London	8
2	3002	Nick Rimando	New York	100	5001	James Hoog	New York	7
3	3003	Jozy Altidor	Moscow	200	5007	Paul Adam	Rome	9
4	3004	Fabian Johnson	Paris	300	5006	Mc Lyon	Paris	11
5	3005	Graham Zusi	California	200	5002	Nail Knite	Paris	10
6	3007	Brad Davis	New York	200	5001	James Hoog	New York	7
7	3008	Julian Green	London	300	5002	Nail Knite	Paris	10
8	3009	Geoff Cameron	Berlin	100	5003	Lauson	San Jose	15

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) | PCA159\tatva (53) | Retrieve | 00:00:00 | 8 rows

Ready

Ln 196 Col 1 Ch 1 INS

16:39 06-02-2023

SQLQueryAssignment2.sql - PCA159\SQL2017\Retrive (PCA159\tatva (52))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect

PCA159\SQL2017 (SQL Server 14.0.1000 - PCA159)

Databases  
Security  
Server Objects  
Replication  
PolyBase  
Management  
XEvent Profiler

SQLQueryAssignmen...CA139\tatva (52))\*

```
select customer.cust_name, customer.city , customer.grade, orders.ord_no, orders.ord_date, orders.purch_amt as "Order Amount"
from customer
full outer join orders
on customer.customer_id = orders.customer_id
where customer.grade IS NOT NULL;

select customer.customer_id, customer.cust_name, customer.city as "Customer City", customer.grade, salesman.salesman_id, salesman.name as "Salesman Name", salesman.city as "Salesman City", salesman.commission
from customer
cross join salesman
where salesman.city = customer.city;

SELECT * FROM salesman
CROSS JOIN customer
WHERE salesman.city IS NOT NULL;

SELECT * FROM salesman
CROSS JOIN customer
WHERE customer.grade IS NOT NULL
```

100 %

Results Messages

	customer_id	cust_name	Customer City	grade	salesman_id	Salesman Name	Salesman City	commission
1	3001	Brad Guzan	London	100	5005	Pt Alex	London	8
2	3002	Nick Rimando	New York	100	5001	James Hoog	New York	7
3	3004	Fabian Johnson	Paris	300	5002	Nail Krite	Paris	10
4	3004	Fabian Johnson	Paris	300	5006	Mc Lyon	Paris	11
5	3007	Brad Davis	New York	200	5001	James Hoog	New York	7
6	3008	Julian Green	London	300	5005	Pt Alex	London	8

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) | PCA159\tatva (52) | Retrive | 00:00:00 | 6 rows

Ready

Ln 196 Col 1 Ch 1 INS

17:57 06-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

FileEditViewQueryProjectDebugToolsWindowHelp

New QueryActivity MonitorGeneric Debugger

RetrieveExecuteDebug

SQLQuery1.sql - PC... (PCA159\tatva (53))\*SQLQuery2.sql - PC... (PCA159\tatva (53))

```
SELECT * FROM salesman
CROSS JOIN customer
WHERE salesman.city IS NOT NULL
```

100 %ResultsMessages

	salesman_id	name	city	commission	customer_id	cust_name	city	grade	salesman_id
1	5001	James Hoog	New York	7	3001	Brad Guzan	London	100	5005
2	5001	James Hoog	New York	7	3002	Nick Rimando	New York	100	5001
3	5001	James Hoog	New York	7	3003	Jozy Altidor	Moscow	200	5007
4	5001	James Hoog	New York	7	3004	Fabian Johnson	Paris	300	5006
5	5001	James Hoog	New York	7	3005	Graham Zusi	California	200	5002
6	5001	James Hoog	New York	7	3007	Brad Davis	New York	200	5001
7	5001	James Hoog	New York	7	3008	Julian Green	London	300	5002
8	5001	James Hoog	New York	7	3009	Geoff Cameron	Berlin	100	5003
9	5002	Nail Knte	Paris	10	3001	Brad Guzan	London	100	5005
10	5002	Nail Knte	Paris	10	3002	Nick Rimando	New York	100	5001
11	5002	Nail Knte	Paris	10	3003	Jozy Altidor	Moscow	200	5007
12	5002	Nail Knte	Paris	10	3004	Fabian Johnson	Paris	300	5006
13	5002	Nail Knte	Paris	10	3005	Graham Zusi	California	200	5002
14	5002	Nail Knte	Paris	10	3007	Brad Davis	New York	200	5001
15	5002	Nail Knte	Paris	10	3008	Julian Green	London	300	5002
16	5002	Nail Knte	Paris	10	3009	Geoff Cameron	Berlin	100	5003
17	5003	Lauson	San Jose	15	3001	Brad Guzan	London	100	5005
18	5003	Lauson	San Jose	15	3002	Nick Rimando	New York	100	5001
19	5003	Lauson	San Jose	15	3003	Jozy Altidor	Moscow	200	5007
20	5003	Lauson	San Jose	15	3004	Fabian Johnson	Paris	300	5006
21	5003	Lauson	San Jose	15	3005	Graham Zusi	California	200	5002
22	5003	Lauson	San Jose	15	3007	Brad Davis	New York	200	5001
23	5003	Lauson	San Jose	15	3008	Julian Green	London	300	5002
24	5003	Lauson	San Jose	15	3009	Geoff Cameron	Berlin	100	5003
25	5005	Pit Alex	London	8	3001	Brad Guzan	London	100	5005
26	5005	Pit Alex	London	8	3002	Nick Rimando	New York	100	5001
27	5005	Pit Alex	London	8	3003	Jozy Altidor	Moscow	200	5007
28	5005	Pit Alex	London	8	3004	Fabian Johnson	Paris	300	5006
29	5005	Pit Alex	London	8	3005	Graham Zusi	California	200	5002
30	5005	Pit Alex	London	8	3007	Brad Davis	New York	200	5001
31	5005	Pit Alex	London	8	3008	Julian Green	London	300	5002
32	5005	Pit Alex	London	8	3009	Geoff Cameron	Berlin	100	5003
33	5006	Mc Lyon	Paris	11	3001	Brad Guzan	London	100	5005
34	5006	Mc Lyon	Paris	11	3002	Nick Rimando	New York	100	5001
35	5006	Mc Lyon	Paris	11	3003	Jozy Altidor	Moscow	200	5007
36	5006	Mc Lyon	Paris	11	3004	Fabian Johnson	Paris	300	5006
37	5006	Mc Lyon	Paris	11	3005	Graham Zusi	California	200	5002
38	5006	Mc Lyon	Paris	11	3007	Brad Davis	New York	200	5001
39	5006	Mc Lyon	Paris	11	3008	Julian Green	London	300	5002
40	5006	Mc Lyon	Paris	11	3009	Geoff Cameron	Berlin	100	5003

Query executed successfully.

PCA159\SQL2017 (14.0 RTM)PCA159\tatva (53)Retrieve00:00:0043 rows

ReadyLn 210Col 1Ch 1INS

16:5106-02-2023

SQLQuery1.sql - PCA159\SQL2017.Retrieve (PCA159\tatva (53))\* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

New Query

Activity Monitor

Generic Debugger

Retrieve

Execute Debug

Quick Launch (Ctrl+Q)

SQLQuery1.sql - PC... (PCA159\tatva (53))\* SQLQuery2.sql - PC... (PCA159\tatva (55))

CROSS JOIN customer

WHERE customer.grade IS NOT NULL

AND salesman.city != customer.city;

100 %

Results Messages

	salesman_id	name	city	commission	customer_id	cust_name	city	grade	salesman_id
1	5001	James Hoog	New York	7	3001	Brad Guzan	London	100	5005
2	5001	James Hoog	New York	7	3003	Jozy Altidor	Moscow	200	5007
3	5001	James Hoog	New York	7	3004	Fabian Johnson	Paris	300	5006
4	5001	James Hoog	New York	7	3005	Graham Zusi	California	200	5002
5	5001	James Hoog	New York	7	3008	Julian Green	London	300	5002
6	5001	James Hoog	New York	7	3009	Geoff Cameron	Berlin	100	5003
7	5002	Nail Knite	Paris	10	3001	Brad Guzan	London	100	5005
8	5002	Nail Knite	Paris	10	3002	Nick Rimando	New York	100	5001
9	5002	Nail Knite	Paris	10	3003	Jozy Altidor	Moscow	200	5007
10	5002	Nail Knite	Paris	10	3005	Graham Zusi	California	200	5002
11	5002	Nail Knite	Paris	10	3007	Brad Davis	New York	200	5001
12	5002	Nail Knite	Paris	10	3008	Julian Green	London	300	5002
13	5002	Nail Knite	Paris	10	3009	Geoff Cameron	Berlin	100	5003
14	5003	Lauson	San Jose	15	3001	Brad Guzan	London	100	5005
15	5003	Lauson	San Jose	15	3002	Nick Rimando	New York	100	5001
16	5003	Lauson	San Jose	15	3003	Jozy Altidor	Moscow	200	5007
17	5003	Lauson	San Jose	15	3004	Fabian Johnson	Paris	300	5006
18	5003	Lauson	San Jose	15	3005	Graham Zusi	California	200	5002
19	5003	Lauson	San Jose	15	3007	Brad Davis	New York	200	5001
20	5003	Lauson	San Jose	15	3008	Julian Green	London	300	5002
21	5003	Lauson	San Jose	15	3009	Geoff Cameron	Berlin	100	5003
22	5005	Pit Alex	London	8	3002	Nick Rimando	New York	100	5001
23	5005	Pit Alex	London	8	3003	Jozy Altidor	Moscow	200	5007
24	5005	Pit Alex	London	8	3004	Fabian Johnson	Paris	300	5006
25	5005	Pit Alex	London	8	3005	Graham Zusi	California	200	5002
26	5005	Pit Alex	London	8	3007	Brad Davis	New York	200	5001
27	5005	Pit Alex	London	8	3009	Geoff Cameron	Berlin	100	5003
28	5006	Mc Lyon	Paris	11	3001	Brad Guzan	London	100	5005
29	5006	Mc Lyon	Paris	11	3002	Nick Rimando	New York	100	5001
30	5006	Mc Lyon	Paris	11	3003	Jozy Altidor	Moscow	200	5007
31	5006	Mc Lyon	Paris	11	3005	Graham Zusi	California	200	5002
32	5006	Mc Lyon	Paris	11	3007	Brad Davis	New York	200	5001
33	5006	Mc Lyon	Paris	11	3008	Julian Green	London	300	5002
34	5006	Mc Lyon	Paris	11	3009	Geoff Cameron	Berlin	100	5003
35	5007	Paul Adam	Rome	9	3001	Brad Guzan	London	100	5005
36	5007	Paul Adam	Rome	9	3002	Nick Rimando	New York	100	5001
37	5007	Paul Adam	Rome	9	3003	Jozy Altidor	Moscow	200	5007
38	5007	Paul Adam	Rome	9	3004	Fabian Johnson	Paris	300	5006
39	5007	Paul Adam	Rome	9	3005	Graham Zusi	California	200	5002

Query executed successfully.

PCA159\SQL2017 (14.0 RTM) PCA159\tatva (53) Retrieve 00:00:00 42 rows

Ready

Ln 211 Col 1 Ch 1 INS

Windows Taskbar

System Tray