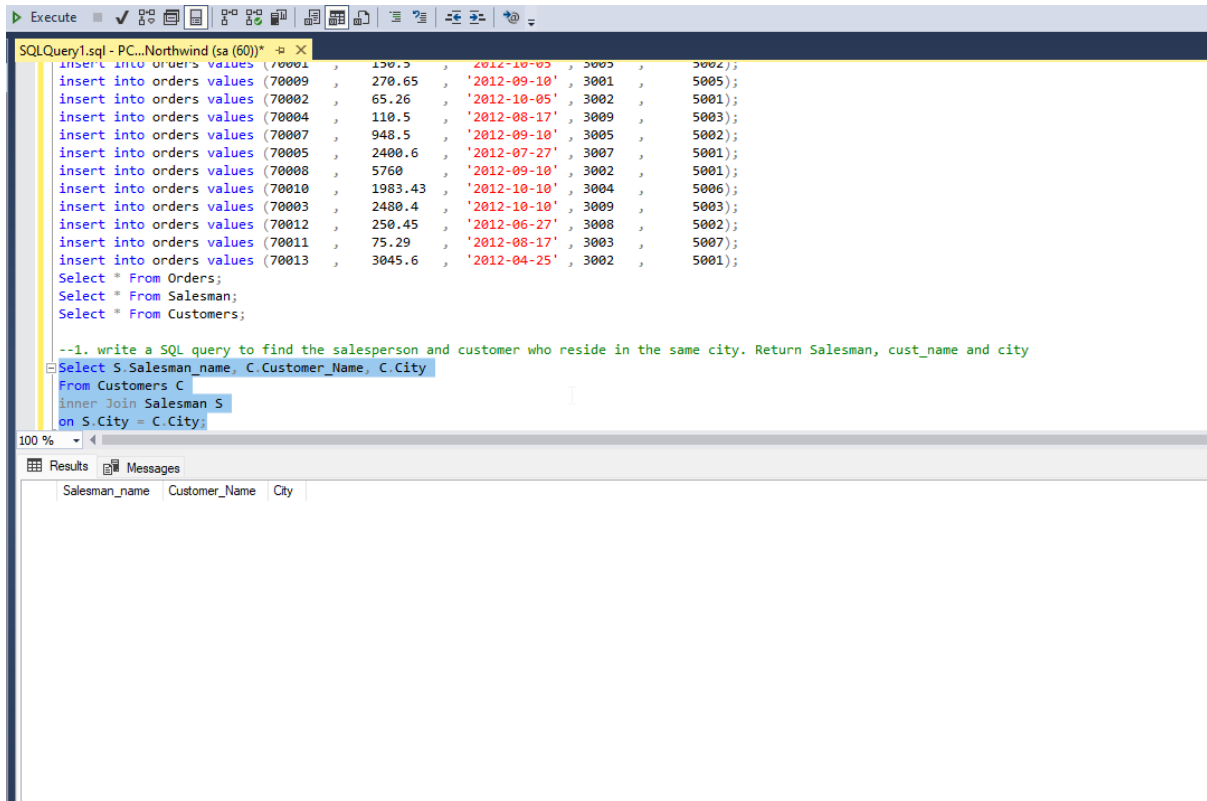


Assignment - 2

1.



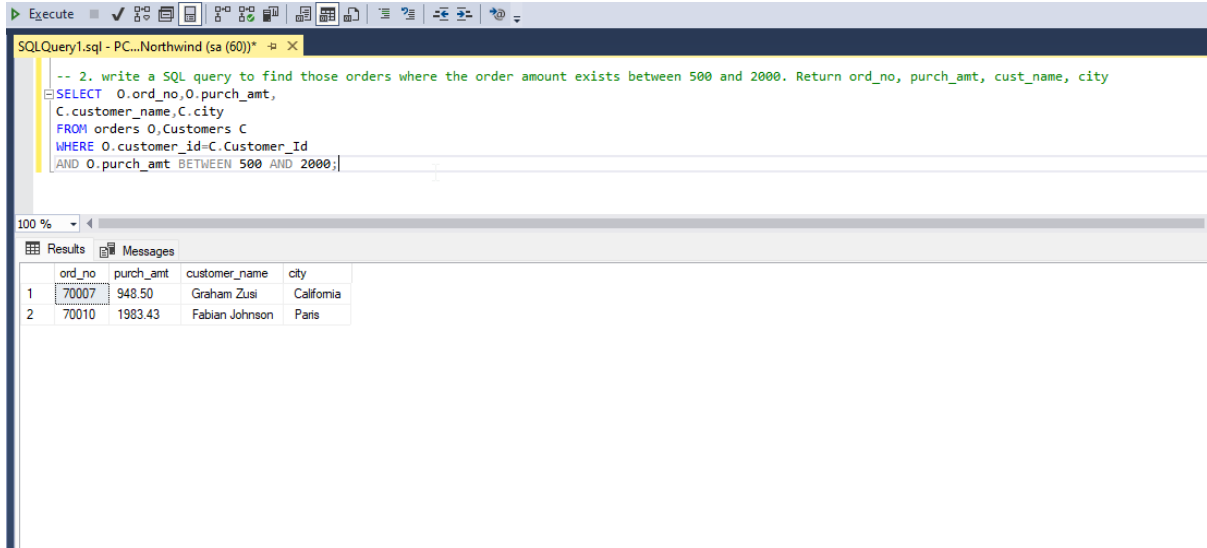
```
SQLQuery1.sql - PC...Northwind (sa (60)) *  
insert into orders values (70001 , 150.5 , '2012-10-05' , 3005 , 5002);  
insert into orders values (70009 , 270.65 , '2012-09-10' , 3001 , 5005);  
insert into orders values (70002 , 65.26 , '2012-10-05' , 3002 , 5001);  
insert into orders values (70004 , 110.5 , '2012-08-17' , 3009 , 5003);  
insert into orders values (70007 , 948.5 , '2012-09-10' , 3005 , 5002);  
insert into orders values (70005 , 2400.6 , '2012-07-27' , 3007 , 5001);  
insert into orders values (70008 , 5760 , '2012-09-10' , 3002 , 5001);  
insert into orders values (70010 , 1983.43 , '2012-10-10' , 3004 , 5006);  
insert into orders values (70003 , 2480.4 , '2012-10-10' , 3009 , 5003);  
insert into orders values (70012 , 250.45 , '2012-06-27' , 3008 , 5002);  
insert into orders values (70011 , 75.29 , '2012-08-17' , 3003 , 5007);  
insert into orders values (70013 , 3045.6 , '2012-04-25' , 3002 , 5001);  
Select * From Orders;  
Select * From Salesman;  
Select * From Customers;  
  
--1. write a SQL query to find the salesperson and customer who reside in the same city. Return Salesman, cust_name and city  
Select S.Salesman_name, C.Customer_Name, C.City  
From Customers C  
Inner Join Salesman S  
on S.City = C.City;
```

100 %

Results Messages

Salesman_name	Customer_Name	City
---------------	---------------	------

2.



```
SQLQuery1.sql - PC...Northwind (sa (60)) *  
  
-- 2. write a SQL query to find those orders where the order amount exists between 500 and 2000. Return ord_no, purch_amt, cust_name, city  
SELECT O.ord_no,O.purch_amt,  
C.customer_name,C.city  
FROM orders O,Customers C  
WHERE O.customer_id=C.Customer_Id  
AND O.purch_amt BETWEEN 500 AND 2000;
```

100 %

Results Messages

ord_no	purch_amt	customer_name	city
1	70007	Graham Zusi	California
2	70010	Fabian Johnson	Paris

3.

SQLQuery1.sql - PC...Northwind (sa (60))

```
--3. write a SQL query to find the salesperson(s) and the customer(s) he represents. Return Customer Name, city, Salesman, commission
SELECT a.customer_name AS "Customer Name",
a.city, b.Salesman_name AS "Salesman", b.Commission
FROM Customers a
INNER JOIN salesman b
ON a.salesman_id=b.salesman_id;
```

100 %

Results Messages

	Customer Name	city	Salesman	Commission
1	Brad Guzan	London	Pit Alex	0.11
2	Nick Rimando	New York	James Hoog	0.15
3	Jozy Altidor	Moscow	Paul Adam	0.13
4	Fabian Johnson	Paris	Mc Lyon	0.14
5	Graham Zusi	California	Nail Knite	0.13
6	Brad Davis	New Yourk	James Hoog	0.15
7	Julian Green	London	Nail Knite	0.13
8	Geoff Cameron	Berlin	Lauson Hen	0.12

4.

SQLQuery1.sql - PC...Northwind (sa (60))

```
--4. write a SQL query to find salespeople who received commissions of more than 12 percent from the company.
SELECT a.customer_name AS "Customer Name",
a.city, b.Salesman_name AS "Salesman", b.Commission
FROM Customers a
INNER JOIN salesman b
ON a.salesman_id=b.salesman_id
WHERE b.Commission>.12;
```

100 %

Results Messages

	Customer Name	city	Salesman	Commission
1	Nick Rimando	New York	James Hoog	0.15
2	Jozy Altidor	Moscow	Paul Adam	0.13
3	Fabian Johnson	Paris	Mc Lyon	0.14
4	Graham Zusi	California	Nail Knite	0.13
5	Brad Davis	New Yourk	James Hoog	0.15
6	Julian Green	London	Nail Knite	0.13

5.

SQLQuery1.sql - PC...Northwind (sa (60))

```
--5.
SELECT a.customer_name AS "Customer Name",
a.city, b.Salesman_name AS "Salesman", b.city,b.Commission
FROM Customers a
INNER JOIN salesman b
ON a.salesman_id=b.salesman_id
WHERE b.Commission>.12
AND a.city<>b.city;
```

100 %

Results Messages

	Customer Name	city	Salesman	city	Commission
1	Nick Rimando	New York	James Hoog	New York	0.15
2	Jozy Altidor	Moscow	Paul Adam	Romes	0.13
3	Fabian Johnson	Paris	Mc Lyon	Paris	0.14
4	Graham Zusi	California	Nail Knite	Paris	0.13
5	Brad Davis	New Yourk	James Hoog	New York	0.15
6	Julian Green	London	Nail Knite	Paris	0.13

6.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--6.
SELECT a.ord_no,a.ord_date,a.purch_amt,
b.Customer_Name AS "Customer Name", b.grade,
c.Salesman_name AS "Salesman", c.Commission
FROM orders a
INNER JOIN Customers b
ON a.customer_id=b.customer_id
INNER JOIN salesman c
ON a.salesman_id=c.salesman_id;
```

100 %

Results Messages

	ord_no	ord_date	purch_amt	Customer Name	grade	Salesman	Commision
1	70001	2012-10-05	150.50	Graham Zusi	200	Nail Knite	0.13
2	70002	2012-10-05	65.26	Nick Rimando	100	James Hoog	0.15
3	70003	2012-10-10	2480.40	Geoff Cameron	100	Lauson Hen	0.12
4	70004	2012-08-17	110.50	Geoff Cameron	100	Lauson Hen	0.12
5	70005	2012-07-27	2400.60	Brad Davis	200	James Hoog	0.15
6	70007	2012-09-10	948.50	Graham Zusi	200	Nail Knite	0.13
7	70008	2012-09-10	5760.00	Nick Rimando	100	James Hoog	0.15
8	70009	2012-09-10	270.65	Brad Guzan	NULL	Pit Alex	0.11
9	70010	2012-10-10	1983.43	Fabian Johnson	300	Mc Lyon	0.14
10	70011	2012-08-17	75.29	Jozy Altidor	200	Paul Adam	0.13
11	70012	2012-06-27	250.45	Julian Green	300	Nail Knite	0.13
12	70013	2012-04-25	3045.60	Nick Rimando	100	James Hoog	0.15

7.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--7.
SELECT a.ord_no,a.purch_amt,a.customer_id,a.salesman_id,b.Customer_Name,a.ord_date,b.city as
"customer city",b.grade,c.Salesman_name,c.commission,c.city as "salesman_city"
FROM orders a
INNER JOIN Customers b
ON a.customer_id=b.customer_id
INNER JOIN salesman c
ON a.salesman_id=c.salesman_id;
```

100 %

Results Messages

	ord_no	purch_amt	customer_id	salesman_id	Customer_Name	ord_date	customer city	grade	Salesman_name	commision	salesman_city
1	70001	150.50	3005	5002	Graham Zusi	2012-10-05	California	300	Nail Knite	0.13	Paris
2	70002	65.26	3002	5001	Nick Rimando	2012-10-05	New York	100	James Hoog	0.15	New York
3	70003	2480.40	3009	5003	Geoff Cameron	2012-10-10	Berlin	100	Lauson Hen	0.12	
4	70004	110.50	3009	5003	Geoff Cameron	2012-08-17	Berlin	100	Lauson Hen	0.12	
5	70005	2400.60	3007	5001	Brad Davis	2012-07-27	New Yourk	200	James Hoog	0.15	New York
6	70007	948.50	3005	5002	Graham Zusi	2012-09-10	California	200	Nail Knite	0.13	Paris
7	70008	5760.00	3002	5001	Nick Rimando	2012-09-10	New York	100	James Hoog	0.15	New York
8	70009	270.65	3001	5005	Brad Guzan	2012-09-10	London	NULL	Pit Alex	0.11	london
9	70010	1983.43	3004	5006	Fabian Johnson	2012-10-10	Paris	300	Mc Lyon	0.14	Paris
10	70011	75.29	3003	5007	Jozy Altidor	2012-08-17	Moscow	200	Paul Adam	0.13	Romes
11	70012	250.45	3008	5002	Julian Green	2012-06-27	London	300	Nail Knite	0.13	Paris
12	70013	3045.60	3002	5001	Nick Rimando	2012-04-25	New York	100	James Hoog	0.15	New York

8.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--8.
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman",b.city
FROM Customers a
LEFT JOIN salesman b
ON a.salesman_id=b.salesman_id
order by a.customer_id;
```

100 %

Results Messages

	customer_name	city	grade	Salesman	city
1	Brad Guzan	London	NULL	Pit Alex	london
2	Nick Rimando	New York	100	James Hoog	New York
3	Jozy Altidor	Moscow	200	Paul Adam	Romes
4	Fabian Johnson	Paris	300	Mc Lyon	Paris
5	Graham Zusi	California	200	Nail Knite	Paris
6	Brad Davis	New Yourk	200	James Hoog	New York
7	Julian Green	London	300	Nail Knite	Paris
8	Geoff Cameron	Berlin	100	Lauson Hen	

9.

SQLQuery1.sql - PC...Northwind (sa (60))*

--9.

```
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman", b.city
FROM Customers a
LEFT OUTER JOIN salesman b
ON a.salesman_id=b.salesman_id
WHERE a.grade<300
ORDER BY a.customer_id;
```

100 %

Results Messages

	customer_name	city	grade	Salesman	city
1	Nick Rimando	New York	100	James Hoog	New York
2	Jozy Altidor	Moscow	200	Paul Adam	Romes
3	Graham Zusi	Califomia	200	Nail Knite	Paris
4	Brad Davis	New Yourk	200	James Hoog	New York
5	Geoff Cameron	Berlin	100	Lauson Hen	

10.

SQLQuery1.sql - PC...Northwind (sa (60))*

--10.

```
SELECT a.customer_name,a.city, b.ord_no,
b.ord_date,b.purch_amt AS "Order Amount"
FROM Customers a
LEFT OUTER JOIN orders b
ON a.customer_id=b.customer_id
order by b.ord_date;
```

100 %

Results Messages

	customer_name	city	ord_no	ord_date	Order Amount
1	Nick Rimando	New York	70013	2012-04-25	3045.60
2	Julian Green	London	70012	2012-06-27	250.45
3	Brad Davis	New Yourk	70005	2012-07-27	2400.60
4	Jozy Altidor	Moscow	70011	2012-08-17	75.29
5	Geoff Cameron	Berlin	70004	2012-08-17	110.50
6	Brad Guzan	London	70009	2012-09-10	270.65
7	Graham Zusi	Califomia	70007	2012-09-10	948.50
8	Nick Rimando	New York	70008	2012-09-10	5760.00
9	Graham Zusi	Califomia	70001	2012-10-05	150.50
10	Nick Rimando	New York	70002	2012-10-05	65.26
11	Fabian Johnson	Paris	70010	2012-10-10	1983.43
12	Geoff Cameron	Berlin	70003	2012-10-10	2480.40

11.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--11.
SELECT a.customer_name,a.city, b.ord_no,
b.ord_date,b.purch_amt AS "Order Amount",
c.Salesman_name,c.Commission
FROM Customers a
LEFT OUTER JOIN orders b
ON a.customer_id=b.customer_id
LEFT OUTER JOIN salesman c
ON c.salesman_id=b.salesman_id;
```

100 %

Results Messages

	customer_name	city	ord_no	ord_date	Order Amount	Salesman_name	Commision
1	Brad Guzan	London	70009	2012-09-10	270.65	Pit Alex	0.11
2	Nick Rimando	New York	70002	2012-10-05	65.26	James Hoog	0.15
3	Nick Rimando	New York	70008	2012-09-10	5760.00	James Hoog	0.15
4	Nick Rimando	New York	70013	2012-04-25	3045.60	James Hoog	0.15
5	Jozy Altidor	Moscow	70011	2012-08-17	75.29	Paul Adam	0.13
6	Fabian Johnson	Paris	70010	2012-10-10	1983.43	Mc Lyon	0.14
7	Graham Zusi	California	70001	2012-10-05	150.50	Nail Knite	0.13
8	Graham Zusi	California	70007	2012-09-10	948.50	Nail Knite	0.13
9	Brad Davis	New Yourk	70005	2012-07-27	2400.60	James Hoog	0.15
10	Julian Green	London	70012	2012-06-27	250.45	Nail Knite	0.13
11	Geoff Cameron	Berlin	70003	2012-10-10	2480.40	Lauson Hen	0.12
12	Geoff Cameron	Berlin	70004	2012-08-17	110.50	Lauson Hen	0.12

12.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--12.
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman", b.city
FROM Customers a
RIGHT OUTER JOIN salesman b
ON b.salesman_id=a.salesman_id
ORDER BY b.salesman_id;
```

100 %

Results Messages

	customer_name	city	grade	Salesman	city
1	Nick Rimando	New York	100	James Hoog	New York
2	Brad Davis	New Yourk	200	James Hoog	New York
3	Graham Zusi	California	200	Nail Knite	Paris
4	Julian Green	London	300	Nail Knite	Paris
5	Geoff Cameron	Berlin	100	Lauson Hen	
6	Brad Guzan	London	NULL	Pit Alex	london
7	Fabian Johnson	Paris	300	Mc Lyon	Paris
8	Jozy Altidor	Moscow	200	Paul Adam	Romes
9	NULL	NULL	NULL	Paul Adam	Romes

13.

SQLQuery1.sql - PC...Northwind (sa (60))*

```
--13.
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman",
c.ord_no, c.ord_date, c.purch_amt
FROM Customers a
RIGHT OUTER JOIN salesman b
ON b.salesman_id=a.salesman_id
RIGHT OUTER JOIN orders c
ON c.customer_id=a.customer_id;
```

100 %

Results Messages

	customer_name	city	grade	Salesman	ord_no	ord_date	purch_amt
1	Graham Zusi	California	200	Nail Knite	70001	2012-10-05	150.50
2	Nick Rimando	New York	100	James Hoog	70002	2012-10-05	65.26
3	Geoff Cameron	Berlin	100	Lauson Hen	70003	2012-10-10	2480.40
4	Geoff Cameron	Berlin	100	Lauson Hen	70004	2012-08-17	110.50
5	Brad Davis	New Yourk	200	James Hoog	70005	2012-07-27	2400.60
6	Graham Zusi	California	200	Nail Knite	70007	2012-09-10	948.50
7	Nick Rimando	New York	100	James Hoog	70008	2012-09-10	5760.00
8	Brad Guzan	London	NULL	Pit Alex	70009	2012-09-10	270.65
9	Fabian Johnson	Paris	300	Mc Lyon	70010	2012-10-10	1983.43
10	Jozy Altidor	Moscow	200	Paul Adam	70011	2012-08-17	75.29
11	Julian Green	London	300	Nail Knite	70012	2012-06-27	250.45
12	Nick Rimando	New York	100	James Hoog	70013	2012-04-25	3045.60

14.

SQLQuery1.sql - PC...Northwind (sa (60))*

```

ON c.customer_id=a.customer_id;

--14.
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman",
c.ord_no, c.ord_date, c.purch_amt
FROM Customers a
RIGHT OUTER JOIN salesman b
ON b.salesman_id=a.salesman_id
LEFT OUTER JOIN orders c
ON c.customer_id=a.customer_id
WHERE c.purch_amt>=2000
AND a.grade IS NOT NULL;

```

100 %

Results Messages

	customer_name	city	grade	Salesman	ord_no	ord_date	purch_amt
1	Geoff Cameron	Berlin	100	Lauson Hen	70003	2012-10-10	2480.40
2	Brad Davis	New Yourk	200	James Hoog	70005	2012-07-27	2400.60
3	Nick Rimando	New York	100	James Hoog	70008	2012-09-10	5760.00
4	Nick Rimando	New York	100	James Hoog	70013	2012-04-25	3045.60

15.

SQLQuery1.sql - PC...Northwind (sa (60))*

```

WHERE c.purch_amt>=2000
AND a.grade IS NOT NULL;

--15.
SELECT a.customer_name,a.city,a.grade,
b.Salesman_name AS "Salesman",
c.ord_no, c.ord_date, c.purch_amt
FROM customers a
RIGHT OUTER JOIN salesman b
ON b.salesman_id=a.salesman_id
LEFT OUTER JOIN orders c
ON c.customer_id=a.customer_id
WHERE c.purch_amt>=2000
AND a.grade IS NOT NULL;

```

100 %

Results Messages

	customer_name	city	grade	Salesman	ord_no	ord_date	purch_amt
1	Geoff Cameron	Berlin	100	Lauson Hen	70003	2012-10-10	2480.40
2	Brad Davis	New Yourk	200	James Hoog	70005	2012-07-27	2400.60
3	Nick Rimando	New York	100	James Hoog	70008	2012-09-10	5760.00
4	Nick Rimando	New York	100	James Hoog	70013	2012-04-25	3045.60

16.

SQLQuery1.sql - PC...Northwind (sa (60))*

```

AND a.grade IS NOT NULL;

--16.
SELECT a.customer_name,a.city, b.ord_no,
b.ord_date,b.purch_amt AS "Order Amount"
FROM Customers a
FULL OUTER JOIN orders b
ON a.customer_id=b.customer_id
WHERE a.grade IS NOT NULL;

```

100 %

Results Messages

	customer_name	city	ord_no	ord_date	Order Amount
1	Nick Rimando	New York	70002	2012-10-05	65.26
2	Nick Rimando	New York	70008	2012-09-10	5760.00
3	Nick Rimando	New York	70013	2012-04-25	3045.60
4	Jozy Altidor	Moscow	70011	2012-08-17	75.29
5	Fabian Johnson	Paris	70010	2012-10-10	1983.43
6	Graham Zusi	California	70001	2012-10-05	150.50
7	Graham Zusi	California	70007	2012-09-10	948.50
8	Brad Davis	New Yourk	70005	2012-07-27	2400.60
9	Julian Green	London	70012	2012-06-27	250.45
10	Geoff Cameron	Berlin	70003	2012-10-10	2480.40
11	Geoff Cameron	Berlin	70004	2012-08-17	110.50

17.

SQLQuery1.sql - PC...Northwind (sa (60))*									
WHERE a.grade IS NOT NULL;									
--17.									
SELECT *									
FROM salesman a									
CROSS JOIN Customers b;									
100 %									
Results Messages									
	Salesman_id	Salesman_name	City	Commision	Customer_Id	Customer_Name	City	Grade	Salesman_Id
1	5001	James Hoog	New York	0.15	3001	Brad Guzan	London	NULL	5005
2	5001	James Hoog	New York	0.15	3002	Nick Rimando	New York	100	5001
3	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007
4	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006
5	5001	James Hoog	New York	0.15	3005	Graham Zusi	California	200	5002
6	5001	James Hoog	New York	0.15	3007	Brad Davis	New Yourk	200	5001
7	5001	James Hoog	New York	0.15	3008	Julian Green	London	300	5002
8	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5003
9	5002	Nail Knite	Paris	0.13	3001	Brad Guzan	London	NULL	5005
10	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5001
11	5002	Nail Knite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007
12	5002	Nail Knite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006
13	5002	Nail Knite	Paris	0.13	3005	Graham Zusi	California	200	5002
14	5002	Nail Knite	Paris	0.13	3007	Brad Davis	New Yourk	200	5001
15	5002	Nail Knite	Paris	0.13	3008	Julian Green	London	300	5002
16	5002	Nail Knite	Paris	0.13	3009	Geoff Cameron	Berlin	100	5003
17	5003	Lauson Hen		0.12	3001	Brad Guzan	London	NULL	5005
18	5003	Lauson Hen		0.12	3002	Nick Rimando	New York	100	5001
19	5003	Lauson Hen		0.12	3003	Jozy Altidor	Moscow	200	5007
20	5003	Lauson Hen		0.12	3004	Fabian Johnson	Paris	300	5006
21	5003	Lauson Hen		0.12	3005	Graham Zusi	California	200	5002
22	5003	Lauson Hen		0.12	3007	Brad Davis	New Yourk	200	5001
23	5003	Lauson Hen		0.12	3008	Julian Green	London	300	5002
24	5003	Lauson Hen		0.12	3009	Geoff Cameron	Berlin	100	5003
25	5005	Pit Alex	london	0.11	3001	Brad Guzan	London	NULL	5005
26	5005	Pit Alex	london	0.11	3002	Nick Rimando	New York	100	5001

18.

SQLQuery1.sql - PC...Northwind (sa (60))*

--18.

```
Select * From Salesman a
cross join Customers b
where a.city is not null;
```

100 %

Results Messages

	Salesman_id	Salesman_name	City	Commision	Customer_Id	Customer_Name	City	Grade	Salesman_Id
1	5001	James Hoog	New York	0.15	3001	Brad Guzan	London	NULL	5005
2	5001	James Hoog	New York	0.15	3002	Nick Rimando	New York	100	5001
3	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007
4	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006
5	5001	James Hoog	New York	0.15	3005	Graham Zusi	California	200	5002
6	5001	James Hoog	New York	0.15	3007	Brad Davis	New Yourk	200	5001
7	5001	James Hoog	New York	0.15	3008	Julian Green	London	300	5002
8	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5003
9	5002	Nail Knite	Paris	0.13	3001	Brad Guzan	London	NULL	5005
10	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5001
11	5002	Nail Knite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007
12	5002	Nail Knite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006
13	5002	Nail Knite	Paris	0.13	3005	Graham Zusi	California	200	5002
14	5002	Nail Knite	Paris	0.13	3007	Brad Davis	New Yourk	200	5001
15	5002	Nail Knite	Paris	0.13	3008	Julian Green	London	300	5002
16	5002	Nail Knite	Paris	0.13	3009	Geoff Cameron	Berlin	100	5003
17	5003	Lauson Hen		0.12	3001	Brad Guzan	London	NULL	5005
18	5003	Lauson Hen		0.12	3002	Nick Rimando	New York	100	5001
19	5003	Lauson Hen		0.12	3003	Jozy Altidor	Moscow	200	5007
20	5003	Lauson Hen		0.12	3004	Fabian Johnson	Paris	300	5006
21	5003	Lauson Hen		0.12	3005	Graham Zusi	California	200	5002
22	5003	Lauson Hen		0.12	3007	Brad Davis	New Yourk	200	5001
23	5003	Lauson Hen		0.12	3008	Julian Green	London	300	5002
24	5003	Lauson Hen		0.12	3009	Geoff Cameron	Berlin	100	5003
25	5005	Pit Alex	london	0.11	3001	Brad Guzan	London	NULL	5005
26	5005	Pit Alex	london	0.11	3002	Nick Rimando	New York	100	5001
27	5005	Pit Alex	london	0.11	3003	Jozy Altidor	Moscow	200	5007
28	5005	Pit Alex	london	0.11	3004	Fabian Johnson	Paris	300	5006

19.

SQLQuery1.sql - PC...Northwind (sa (60))*									
--19.									
SELECT *									
FROM salesman a									
CROSS JOIN Customers b									
WHERE a.city IS NOT NULL									
AND b.grade IS NOT NULL;									
100 %									
Results Messages									
	Salesman_id	Salesman_name	City	Commision	Customer_Id	Customer_Name	City	Grade	Salesman_Id
1	5001	James Hoog	New York	0.15	3002	Nick Rimando	New York	100	5001
2	5002	Nail Krite	Paris	0.13	3002	Nick Rimando	New York	100	5001
3	5003	Lauson Hen		0.12	3002	Nick Rimando	New York	100	5001
4	5005	Pit Alex	london	0.11	3002	Nick Rimando	New York	100	5001
5	5006	Mc Lyon	Paris	0.14	3002	Nick Rimando	New York	100	5001
6	5007	Paul Adam	Romes	0.13	3002	Nick Rimando	New York	100	5001
7	9007	Paul Adam	Romes	0.13	3002	Nick Rimando	New York	100	5001
8	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007
9	5002	Nail Krite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007
10	5003	Lauson Hen		0.12	3003	Jozy Altidor	Moscow	200	5007
11	5005	Pit Alex	london	0.11	3003	Jozy Altidor	Moscow	200	5007
12	5006	Mc Lyon	Paris	0.14	3003	Jozy Altidor	Moscow	200	5007
13	5007	Paul Adam	Romes	0.13	3003	Jozy Altidor	Moscow	200	5007
14	9007	Paul Adam	Romes	0.13	3003	Jozy Altidor	Moscow	200	5007
15	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006
16	5002	Nail Krite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006
17	5003	Lauson Hen		0.12	3004	Fabian Johnson	Paris	300	5006
18	5005	Pit Alex	london	0.11	3004	Fabian Johnson	Paris	300	5006
19	5006	Mc Lyon	Paris	0.14	3004	Fabian Johnson	Paris	300	5006
20	5007	Paul Adam	Romes	0.13	3004	Fabian Johnson	Paris	300	5006
21	9007	Paul Adam	Romes	0.13	3004	Fabian Johnson	Paris	300	5006
22	5001	James Hoog	New York	0.15	3005	Graham Zusi	California	200	5002
23	5002	Nail Krite	Paris	0.13	3005	Graham Zusi	California	200	5002

20.

```
--20.
```

```
SELECT *
FROM salesman a
CROSS JOIN customers b
WHERE a.city IS NOT NULL
AND b.grade IS NOT NULL
AND a.city<>b.city;
```

100 %

Results Messages

	Salesman_id	Salesman_name	City	Commision	Customer_Id	Customer_Name	City	Grade	Salesman_Id
1	5001	James Hoog	New York	0.15	3001	Brad Guzan	London	NULL	5005
2	5001	James Hoog	New York	0.15	3002	Nick Rimando	New York	100	5001
3	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007
4	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006
5	5001	James Hoog	New York	0.15	3005	Graham Zusi	Califomia	200	5002
6	5001	James Hoog	New York	0.15	3007	Brad Davis	New Yourk	200	5001
7	5001	James Hoog	New York	0.15	3008	Julian Green	London	300	5002
8	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5003
9	5002	Nail Knite	Paris	0.13	3001	Brad Guzan	London	NULL	5005
10	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5001
11	5002	Nail Knite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007
12	5002	Nail Knite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006
13	5002	Nail Knite	Paris	0.13	3005	Graham Zusi	Califomia	200	5002
14	5002	Nail Knite	Paris	0.13	3007	Brad Davis	New Yourk	200	5001
15	5002	Nail Knite	Paris	0.13	3008	Julian Green	London	300	5002
16	5002	Nail Knite	Paris	0.13	3009	Geoff Cameron	Berlin	100	5003
17	5003	Lauson Hen		0.12	3001	Brad Guzan	London	NULL	5005
18	5003	Lauson Hen		0.12	3002	Nick Rimando	New York	100	5001
19	5003	Lauson Hen		0.12	3003	Jozy Altidor	Moscow	200	5007
20	5003	Lauson Hen		0.12	3004	Fabian Johnson	Paris	300	5006
21	5003	Lauson Hen		0.12	3005	Graham Zusi	Califomia	200	5002
22	5003	Lauson Hen		0.12	3007	Brad Davis	New Yourk	200	5001
23	5003	Lauson Hen		0.12	3008	Julian Green	London	300	5002