```
CREATE TABLE dbo.Salesman(
Salesman_id INT PRIMARY KEY,
[Name] VARCHAR(50) not null,
City VARCHAR(50) not null,
Commission FLOAT not null
INSERT INTO dbo.salesman VALUES (5001, 'James Hoog', 'New York', 0.15);
INSERT INTO dbo.salesman VALUES (5002, 'Nail Knite', ' Paris', 0.13);
INSERT INTO dbo.salesman VALUES (5005, 'Pit Alex', 'London', 0.11);
INSERT INTO dbo.salesman VALUES (5006, 'Mc Lyon', 'Paris', 0.14);
INSERT INTO dbo.salesman VALUES (5007, 'Paul Adam', 'Rome', 0.13);
INSERT INTO dbo.salesman VALUES (5003, 'Lauson Hen', 'San Jose', 0.12);
select * from dbo.Salesman
                   □CREATE TABLE dbo.Salesman(
                     Salesman_id INT PRIMARY KEY,
                     [Name] VARCHAR(50) not null,
                     City VARCHAR(50) not null,
                     Commission FLOAT not null
                    INSERT INTO dbo.salesman VALUES (5001, 'James Hoog', 'New York', 0.15);
INSERT INTO dbo.salesman VALUES (5002, 'Nail Knite', 'Paris', 0.13);
INSERT INTO dbo.salesman VALUES (5005, 'Pit Alex', 'London', 0.11);
INSERT INTO dbo.salesman VALUES (5006, 'Mc Lyon', 'Paris', 0.14);
INSERT INTO dbo.salesman VALUES (5007, 'Paul Adam', 'Rome', 0.13);
INSERT INTO dbo.salesman VALUES (5003, 'Lauson Hen', 'San Jose', 0.12);
                     select * from dbo.Salesman
                  CREATE TABLE dbo.customer(
                    Customer_id int primary key,
                     Cust_name varchar(50) not null,
                     City varchar(50) not null,
                     Grade int,
                     Salesman_id int
                  ALTER TABLE dbo.customer
                          ADD CONSTRAINT FK_customer_Salesman_id FOREIGN KEY (Salesman_id)
                                REFERENCES salesman (Salesman_id);
            100 %
                      - - -
              Results 🗐 Messages
                      Salesman_id Name
                                                            City
                                                                            Commission
                      5001
                                          James Hoog
                                                             New York
                                                                             0.15
              2
                      5002
                                          Nail Knite
                                                                             0.13
                                                              Paris
              3
                      5003
                                          Lauson Hen
                                                             San Jose
                                                                             0.12
              4
                      5005
                                          Pit Alex
                                                             London
                                                                             0.11
              5
                      5006
                                          Mc Lyon
                                                             Paris
                                                                             0.14
              6
                      5007
                                          Paul Adam
                                                             Rome
                                                                             0.13
```

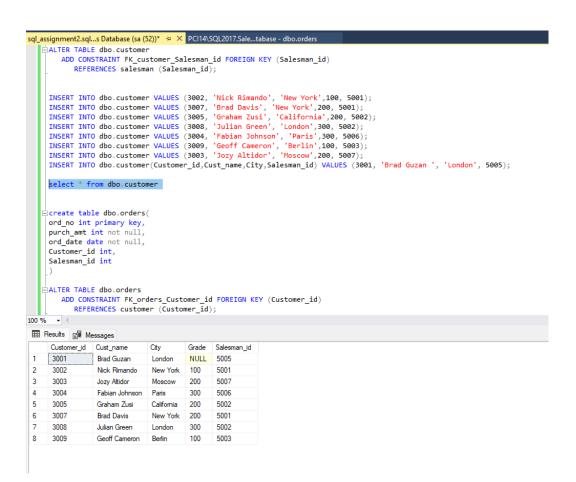
1) salesman table :

2) customer table:

```
CREATE TABLE dbo.customer(
Customer_id int primary key,
Cust_name varchar(50) not null,
City varchar(50) not null,
Grade int,
Salesman_id int
)

ALTER TABLE dbo.customer
   ADD CONSTRAINT FK_customer_Salesman_id FOREIGN KEY (Salesman_id)
        REFERENCES salesman (Salesman_id);

INSERT INTO dbo.customer VALUES (3002, 'Nick Rimando', 'New York',100, 5001);
INSERT INTO dbo.customer VALUES (3007, 'Brad Davis', 'New York',200, 5001);
INSERT INTO dbo.customer VALUES (3005, 'Graham Zusi', 'California',200, 5002);
INSERT INTO dbo.customer VALUES (3008, 'Julian Green', 'London',300, 5002);
INSERT INTO dbo.customer VALUES (3004, 'Fabian Johnson', 'Paris',300, 5006);
INSERT INTO dbo.customer VALUES (3009, 'Geoff Cameron', 'Berlin',100, 5003);
INSERT INTO dbo.customer VALUES (3003, 'Jozy Altidor', 'Moscow',200, 5007);
INSERT INTO dbo.customer(Customer_id,Cust_name,City,Salesman_id) VALUES (3001, 'Brad Guzan ', 'London', 5005);
select * from dbo.customer
```



3) order table:

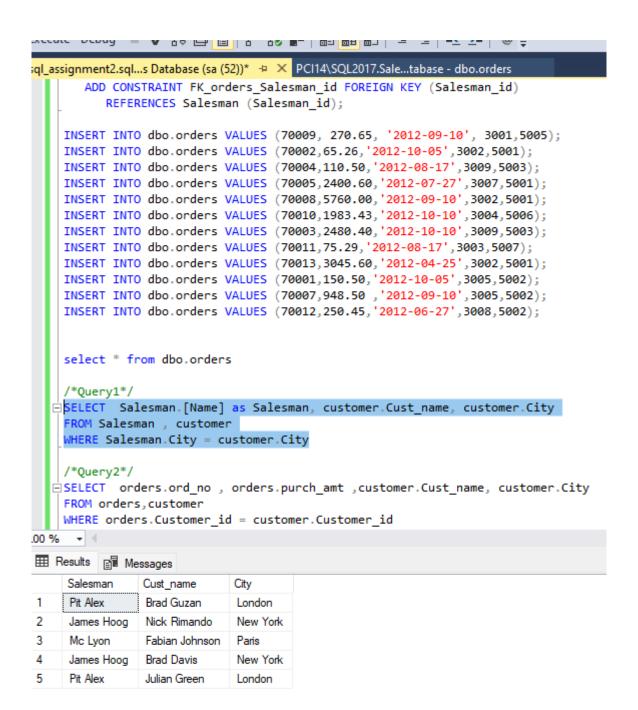
```
create table dbo.orders(
ord no int primary key,
purch amt int not null,
ord date date not null,
Customer id int,
Salesman id int
ALTER TABLE dbo.orders
   ADD CONSTRAINT FK_orders_Customer_id FOREIGN KEY (Customer_id)
      REFERENCES customer (Customer id);
ALTER TABLE dbo.orders
   ADD CONSTRAINT FK_orders_Salesman_id FOREIGN KEY (Salesman_id)
      REFERENCES Salesman (Salesman_id);
INSERT INTO dbo.orders VALUES (70009, 270.65, '2012-09-10', 3001,5005);
INSERT INTO dbo.orders VALUES (70002,65.26, '2012-10-05', 3002, 5001);
INSERT INTO dbo.orders VALUES (70004,110.50,'2012-08-17',3009,5003);
INSERT INTO dbo.orders VALUES (70005,2400.60,'2012-07-27',3007,5001);
INSERT INTO dbo.orders VALUES (70008,5760.00,'2012-09-10',3002,5001);
INSERT INTO dbo.orders VALUES (70010,1983.43,'2012-10-10',3004,5006);
INSERT INTO dbo.orders VALUES (70003,2480.40,'2012-10-10',3009,5003);
INSERT INTO dbo.orders VALUES (70011,75.29, '2012-08-17',3003,5007);
INSERT INTO dbo.orders VALUES (70013,3045.60,'2012-04-25',3002,5001);
INSERT INTO dbo.orders VALUES (70001,150.50, '2012-10-05',3005,5002);
                                               , '2012-09-10',3005,5002);
INSERT INTO dbo.orders VALUES (70007,948.50
INSERT INTO dbo.orders VALUES (70012,250.45,'2012-06-27',3008,5002);
```

select * from dbo.orders

```
sql_assignment2.sql...s Database (sa (52))* + × PCI14\SQL2017.Sale...tabase - dbo.orders
           ADD CONSTRAINT FK orders Salesman id FOREIGN KEY (Salesman id)
               REFERENCES Salesman (Salesman_id);
       INSERT INTO dbo.orders VALUES (70009, 270.65, '2012-09-10', 3001,5005);
      INSERT INTO dbo.orders VALUES (70002,65.26, '2012-10-05',3002,5001);
INSERT INTO dbo.orders VALUES (70004,110.50, '2012-08-17',3009,5003);
INSERT INTO dbo.orders VALUES (70005,2400.60, '2012-07-27',3007,5001);
INSERT INTO dbo.orders VALUES (70008,5760.00, '2012-07-27',3007,5001);
INSERT INTO dbo.orders VALUES (70010,1983.43, '2012-10-10',3004,5006);
INSERT INTO dbo.orders VALUES (70010,1983.43, '2012-10-10',3009,5003);
       INSERT INTO dbo.orders VALUES (70011,75.29, 2012-08-17, 3003, 5007)
       INSERT INTO dbo.orders VALUES (70013,3045.60,'2012-04-25',3002,5001);
INSERT INTO dbo.orders VALUES (70001,150.50,'2012-10-05',3005,5002);
       INSERT INTO dbo.orders VALUES (70007,948.50 ,'2012-09-10',3005,5002);
INSERT INTO dbo.orders VALUES (70012,250.45,'2012-06-27',3008,5002);
       select * from dbo.orders
                Salesman.[Name] as Salesman, customer.Cust_name, customer.City
       FROM Salesman ,
       WHERE Salesman.City = customer.City
                orders.ord no , orders.purch amt ,customer.Cust name, customer.City
       FROM orders, custome
      WHERE orders.Customer_id = customer.Customer_id
100 %
 Results Messages
       ord_no purch_amt ord_date
                                              Customer_id
                                                              Salesman_id
                                2012-10-05 3005
       70001 150
                                                              5002
                                2012-10-05 3002
 2
        70002
                  65
                                                              5001
 3
        70003
                  2480
                                2012-10-10 3009
                                                              5003
 4
        70004
                  110
                                2012-08-17
                                              3009
                                                              5003
 5
        70005
                  2400
                                2012-07-27
                                              3007
                                                              5001
 6
        70007
                  948
                                2012-09-10 3005
                                                              5002
 7
        70008
                  5760
                                2012-09-10 3002
                                                              5001
 8
        70009
                  270
                                2012-09-10 3001
                                                              5005
 9
        70010
                  1983
                                2012-10-10 3004
                                                              5006
 10
        70011
                  75
                                2012-08-17
                                              3003
                                                              5007
 11
        70012 250
                                2012-06-27 3008
                                                              5002
 12
        70013
                 3045
                                2012-04-25 3002
                                                              5001
```

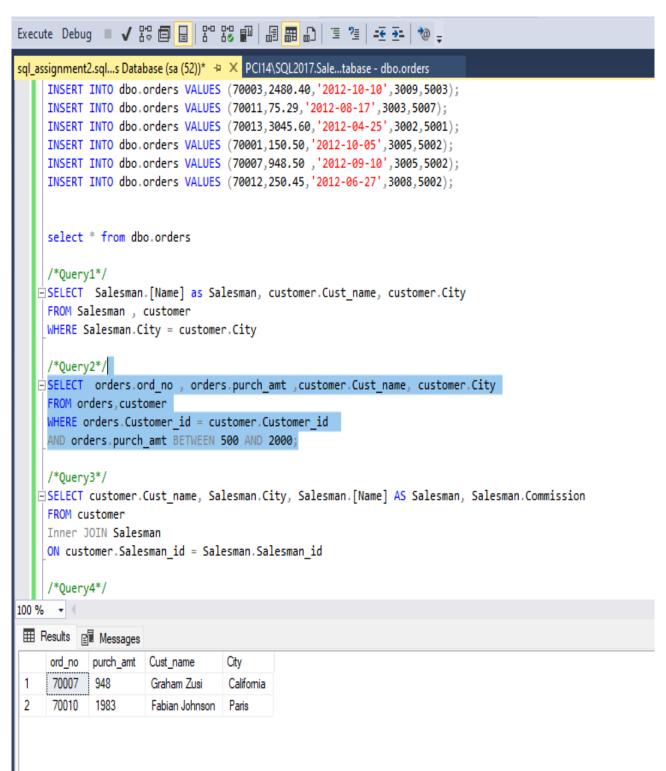
1. write a SQL query to find the salesperson and customer who reside in the same city. Return Salesman, cust_name and city

```
SELECT Salesman.[Name] as Salesman, customer.Cust_name, customer.City
FROM Salesman , customer
WHERE Salesman.City = customer.City
```



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 orders.ord_no , orders.purch_amt ,customer.Cust_name, customer.City
FROM orders,customer
WHERE orders.Customer_id = customer.Customer_id
AND orders.purch_amt BETWEEN 500 AND 2000;
```

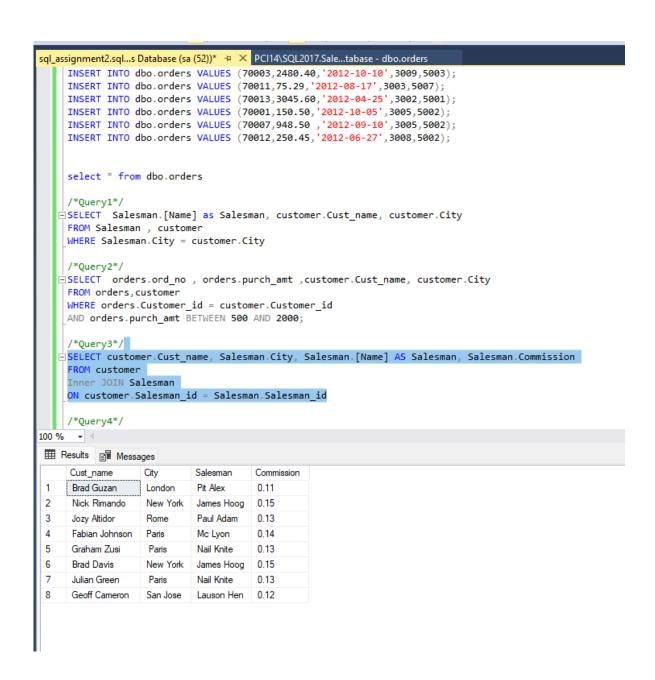


3. write a SQL query to find the salesperson(s) and the customer(s) he represents. Return Customer Name, city, Salesman, commission

SELECT customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission FROM customer

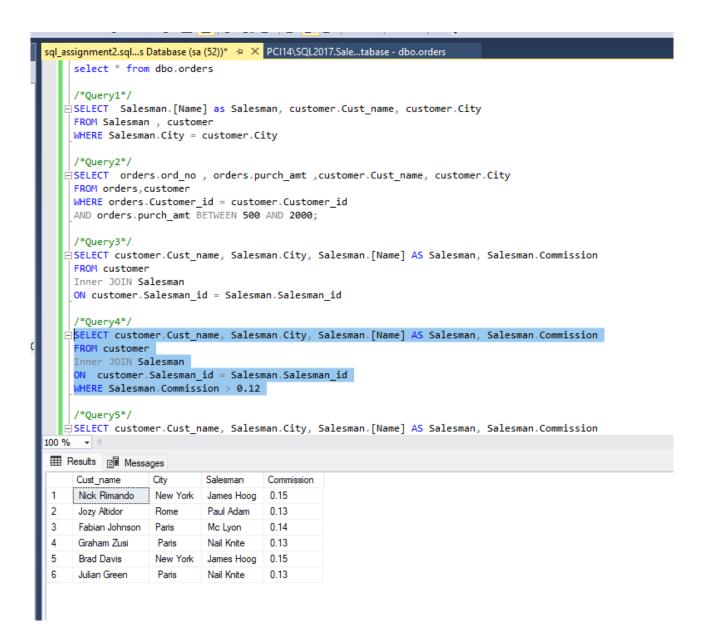
Inner JOIN Salesman

ON customer.Salesman_id = Salesman.Salesman_id



4. write a SQL query to find salespeople who received commissions of more than 12 percent from the company. Return Customer Name, customer city, Salesman, commission.

```
SELECT customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission
FROM customer
Inner JOIN Salesman
ON customer.Salesman_id = Salesman.Salesman_id
WHERE Salesman.Commission > 0.12
```



5. write a SQL query to locate those salespeople who do not live in the same city where their customers live and have received a commission of more than 12% from the company. Return Customer Name, customer city, Salesman, salesman city, commission

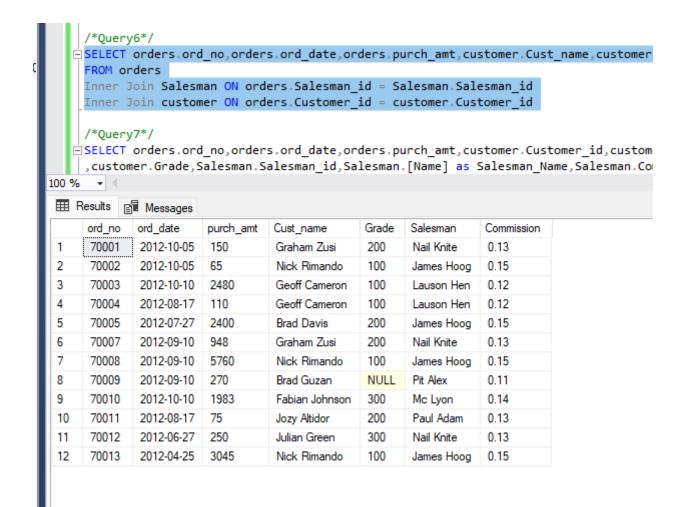
```
SELECT customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission
FROM customer
Inner JOIN Salesman
ON customer.Salesman_id = Salesman.Salesman_id
WHERE Salesman.Commission > 0.12 AND customer.City<>Salesman.City
```

```
sql_assignment2.sql...s Database (sa (52))* 🗢 🗶 PCI14\SQL2017.Sale...tabase - dbo.orders
   SELECT orders.ord_no , orders.purch_amt ,customer.Cust_name, customer.City
     FROM orders, customer
     WHERE orders.Customer_id = customer.Customer_id
     AND orders.purch_amt BETWEEN 500 AND 2000;
   \dot{\equiv} <code>SELECT</code> <code>customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission</code>
     FROM customer
     Inner JOIN Salesman
     ON customer.Salesman_id = Salesman.Salesman_id
   ∃SELECT customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission
     FROM customer
     Inner JOIN Salesman
     ON customer.Salesman id = Salesman.Salesman id
     WHERE Salesman.Commission > 0.12
     SELECT customer.Cust_name, Salesman.City, Salesman.[Name] AS Salesman, Salesman.Commission
     FROM customer
     Inner JOIN Salesman
     ON customer.Salesman id = Salesman.Salesman id
     WHERE Salesman.Commission > 0.12 AND customer.City<>Salesman.City
     /*Query6*/
   SELECT orders.ord_no,orders.ord_date,orders.purch_amt,customer.Cust_name,customer.Grade,Salesman.[Name]
    FROM orders
100 %
Results Messages
     Cust_name
                City
                       Salesman
                                 Commission
    Jozy Altidor Rome Paul Adam 0.13
2
     Graham Zusi Paris Nail Knite 0.13
    Julian Green Paris Nail Knite 0.13
```

6. write a SQL query to find the details of an order. Return ord_no, ord_date, purch_amt, Customer Name, grade, Salesman, commission

SELECT

```
orders.ord_no,orders.ord_date,orders.purch_amt,customer.Cust_name,customer.Grade,Salesman.[N
ame] as Salesman,Salesman.Commission
FROM orders
Inner Join Salesman ON orders.Salesman_id = Salesman.Salesman_id
Inner Join customer ON orders.Customer_id = customer.Customer_id
```



7. Write a SQL statement to join the tables salesman, customer and orders so that the same column of each table appears once and only the relational rows are returned.

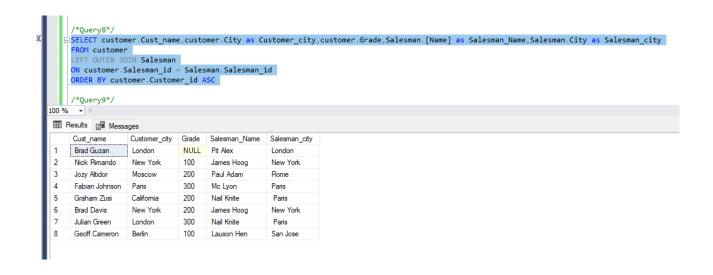
SELECT

```
orders.ord_no,orders.ord_date,orders.purch_amt,customer.Customer_id,customer.Cust_name,custo
mer.City
,customer.Grade,Salesman.Salesman_id,Salesman.[Name] as Salesman_Name,Salesman.Commission
FROM orders
Join Salesman ON orders.Salesman_id = Salesman.Salesman_id
Join customer ON orders.Customer_id = customer.Customer_id
```



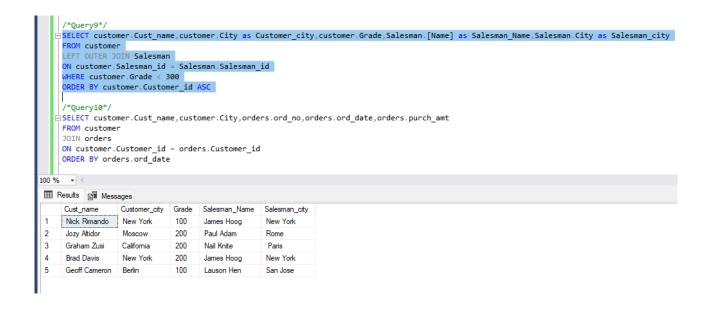
8. write a SQL query to display the customer name, customer city, grade, salesman, salesman city. The results should be sorted by ascending customer_id.

```
SELECT customer.Cust_name, customer.City as Customer_city, customer.Grade, Salesman.[Name] as
Salesman_Name, Salesman.City as Salesman_city
FROM customer
LEFT OUTER JOIN Salesman
ON customer.Salesman_id = Salesman.Salesman_id
ORDER BY customer.Customer_id ASC
```



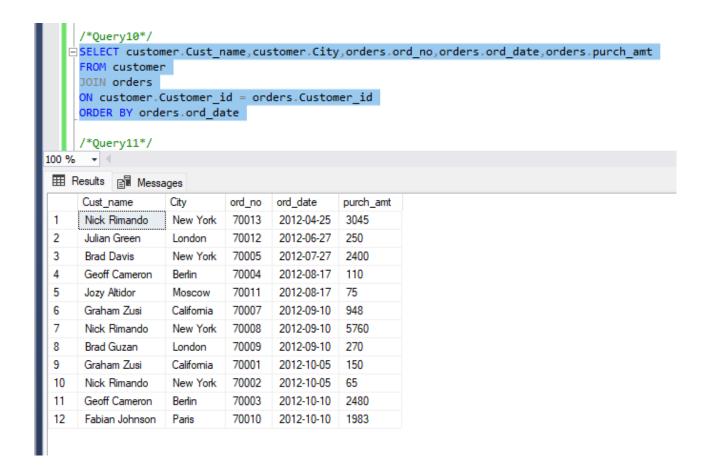
9. write a SQL query to find those customers with a grade less than 300. Return cust_name, customer city, grade, Salesman, salesmancity. The result should be ordered by ascending customer_id.

```
SELECT customer.Cust_name, customer.City as Customer_city, customer.Grade, Salesman.[Name] as
Salesman_Name, Salesman.City as Salesman_city
FROM customer
LEFT OUTER JOIN Salesman
ON customer.Salesman_id = Salesman.Salesman_id
WHERE customer.Grade < 300
ORDER BY customer.Customer_id ASC</pre>
```



10. Write a SQL statement to make a report with customer name, city, order number, order date, and order amount in ascending order according to the order date to determine whether any of the existing customers have placed an order or not

```
SELECT customer.Cust_name, customer.City, orders.ord_no, orders.ord_date, orders.purch_amt
FROM customer
JOIN orders
ON customer_id = orders.Customer_id
ORDER BY orders.ord_date
```



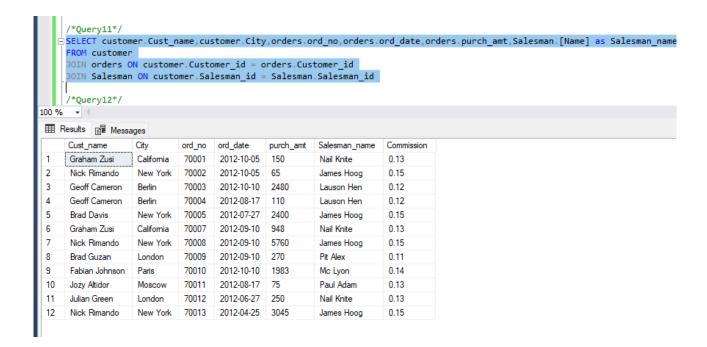
11. Write a SQL statement to generate a report with customer name, city, order number, order date, order amount, salesperson name, and commission to determine if any of the existing customers have not placed orders or if they have placed orders through their salesman or by themselves

SELECT

```
customer.Cust_name,customer.City,orders.ord_no,orders.ord_date,orders.purch_amt,Salesman.[Na
me] as Salesman_name,Salesman.Commission
FROM customer

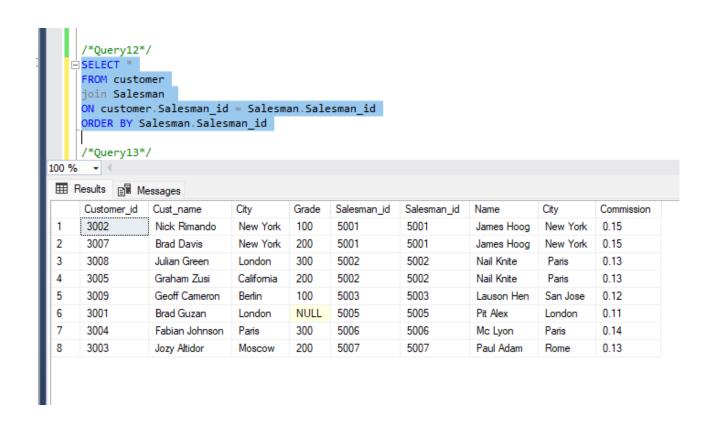
JOIN orders ON customer.Customer_id = orders.Customer_id

JOIN Salesman ON customer.Salesman_id = Salesman_id
```



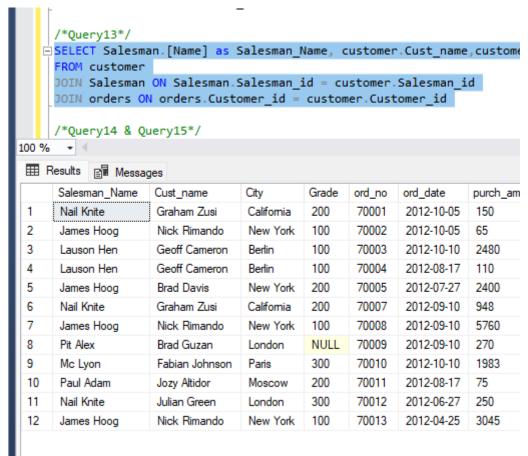
12. Write a SQL statement to generate a list in ascending order of salespersons who work either for one or more customers or have not yet joined any of the customers

```
SELECT *
FROM customer
join Salesman
ON customer.Salesman_id = Salesman.Salesman_id
ORDER BY Salesman.Salesman_id
```



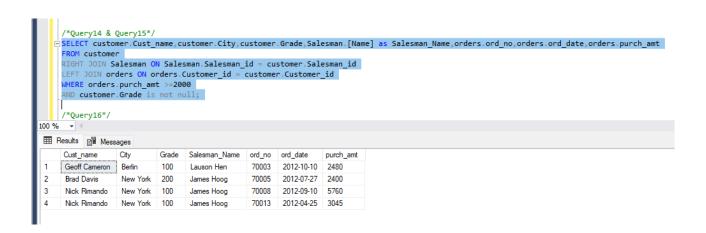
13. write a SQL query to list all salespersons along with customer name, city, grade, order number, date, and amount.

```
SELECT Salesman.[Name] as Salesman_Name,
customer.Cust_name,customer.City,customer.Grade,orders.ord_no,orders.ord_date,orders.purch_a
mt
FROM customer
JOIN Salesman ON Salesman.Salesman_id = customer.Salesman_id
JOIN orders ON orders.Customer_id = customer.Customer_id
```



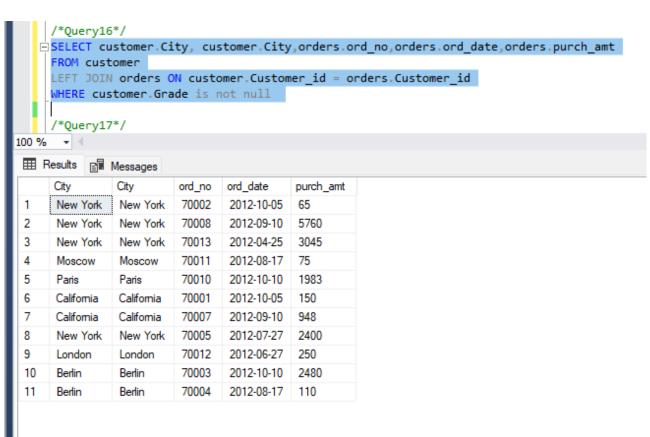
- 14. Write a SQL statement to make a list for the salesmen who either work for one or more customers or yet to join any of the customers. The customer may have placed, either one or more orders on or above order amount 2000 and must have a grade, or he may not have placed any order to the associated supplier.
- 15. Write a SQL statement to generate a list of all the salesmen who either work for one or more customers or have yet to join any of them. The customer may have placed one or more orders at or above order amount 2000, and must have a grade, or he may not have placed any orders to the associated supplier.

```
SELECT customer.Cust_name,customer.City,customer.Grade,Salesman.[Name] as
Salesman_Name,orders.ord_no,orders.ord_date,orders.purch_amt
FROM customer
RIGHT JOIN Salesman ON Salesman.Salesman_id = customer.Salesman_id
LEFT JOIN orders ON orders.Customer_id = customer.Customer_id
WHERE orders.purch_amt >=2000
AND customer.Grade is not null;
```



16. Write a SQL statement to generate a report with the customer name, city, order no. order date, purchase amount for only those customers on the list who must have a grade and placed one or more orders or which order(s) have been placed by the customer who neither is on the list nor has a grade.

```
SELECT customer.City, customer.City,orders.ord_no,orders.ord_date,orders.purch_amt
FROM customer
LEFT JOIN orders ON customer.Customer_id = orders.Customer_id
WHERE customer.Grade is not null
```



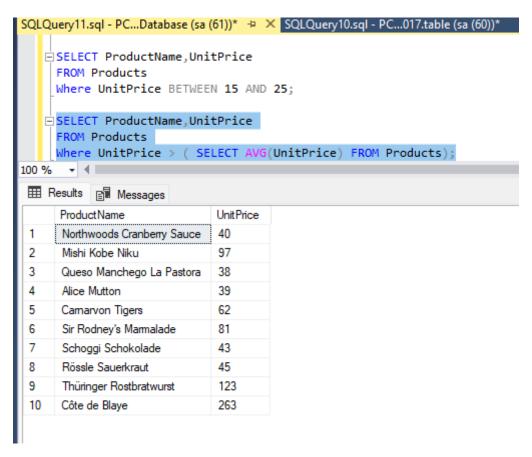
17. Write a SQL query to combine each row of the salesman table with each row of the customer table

SELECT *
FROM Salesman
cross join customer

0 %									
##	Results Me	essages Name	City	Commission	Customer id	Cust 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	3001	Nick Rimando	New York	100	5005
3	5001	James Hoog	New York	0.15	3002	Jozy Altidor	Moscow	200	5007
3 4	5001	James Hoog	New York	0.15	3003	Fabian Johnson	Paris	300	5007
5	5001	James Hoog	New York	0.15	3004	Graham Zusi	California	200	5000
6	5001	James Hoog	New York	0.15	3007	Brad Davis	New York	200	5002
7	5001	James Hoog	New York	0.15	3007	Julian Green	London	300	5002
8	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5002
9	5001	Nail Knite	Paris	0.13	3003	Brad Guzan	London	NULL	5005
10	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5003
11	5002	Nail Knite	Paris	0.13	3002	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 York	200	5002
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	5002
17	5003	Lauson Hen	San Jose	0.12	3001	Brad Guzan	London	NULL	5005
18	5003	Lauson Hen	San Jose	0.12	3002	Nick Rimando	New York	100	5001
19	5003	Lauson Hen	San Jose	0.12	3003	Jozy Altidor	Moscow	200	5007
20	5003	Lauson Hen	San Jose	0.12	3004	Fabian Johnson	Paris	300	5006
21	5003	Lauson Hen	San Jose	0.12	3005	Graham Zusi	California	200	5002
22	5003	Lauson Hen	San Jose	0.12	3007	Brad Davis	New York	200	5001
23	5003	Lauson Hen	San Jose	0.12	3008	Julian Green	London	300	5002
24	5003	Lauson Hen	San Jose	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
29	5005	Pit Alex	London	0.11	3005	Graham Zusi	California	200	5002
30	5005	Pit Alex	London	0.11	3007	Brad Davis	New York	200	5001
31	5005	Pit Alex	London	0.11	3008	Julian Green	London	300	5002
32	5005	Pit Alex	London	0.11	3009	Geoff Cameron	Berlin	100	5003
33	5006	Mc Lyon	Paris	0.14	3001	Brad Guzan	London	NULL	5005
34	5006	Mc Lyon	Paris	0.14	3002	Nick Rimando	New York	100	5001
35	5006	Mc Lyon	Paris	0.14	3003	Jozy Altidor	Moscow	200	5007
36	5006	Mc Lyon	Paris	0.14	3004	Fabian Johnson	Paris	300	5006
37	5006	Mc Lyon	Paris	0.14	3005	Graham Zusi	California	200	5002
38	5006	Mc Lyon	Paris	0.14	3007	Brad Davis	New York	200	5001
39	5006	Mc Lyon	Paris	0.14	3008	Julian Green	London	300	5002
40	5006	Mc Lyon	Paris	0.14	3009	Geoff Cameron	Berlin	100	5003
41	5007	Paul Adam	Rome	0.13	3001	Brad Guzan	London	NULL	5005

18. Write a SQL statement to create a Cartesian product between salesperson and customer, i.e. each salesperson will appear for all customers and vice versa for that salesperson who belongs to that city

```
SELECT *
FROM Salesman
cross join customer
WHERE Salesman.City= customer.City
```



19. Write a SQL statement to create a Cartesian product between salesperson and customer, i.e. each salesperson will appear for every customer and vice versa for those salesmen who belong to a city and customers who require a grade

SELECT *
FROM Salesman
cross join customer
WHERE Salesman.City is not null
AND customer.Grade is not null

00 %	SELECT :								
Ⅲ	Results 🗐 Me	essages							
	Salesman_id	Name	City	Commission	Customer_id	Cust_name	City	Grade	Salesman_
1	5001	James Hoog	New York	0.15	3002	Nick Rimando	New York	100	5001
2	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007
3	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006
4	5001	James Hoog	New York	0.15	3005	Graham Zusi	California	200	5002
5	5001	James Hoog	New York	0.15	3007	Brad Davis	New York	200	5001
6	5001	James Hoog	New York	0.15	3008	Julian Green	London	300	5002
7	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5003
8	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5001
9	5002	Nail Knite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007
10	5002	Nail Knite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006
11	5002	Nail Knite	Paris	0.13	3005	Graham Zusi	California	200	5002
12	5002	Nail Knite	Paris	0.13	3007	Brad Davis	New York	200	5001
13	5002	Nail Knite	Paris	0.13	3008	Julian Green	London	300	5002
14	5002	Nail Knite	Paris	0.13	3009	Geoff Cameron	Berlin	100	5003
15	5003	Lauson Hen	San Jose	0.12	3002	Nick Rimando	New York	100	5001
16	5003	Lauson Hen	San Jose	0.12	3003	Jozy Altidor	Moscow	200	5007
17	5003	Lauson Hen	San Jose	0.12	3004	Fabian Johnson	Paris	300	5006
18	5003	Lauson Hen	San Jose	0.12	3005	Graham Zusi	California	200	5002
19	5003	Lauson Hen	San Jose	0.12	3007	Brad Davis	New York	200	5001
20	5003	Lauson Hen	San Jose	0.12	3008	Julian Green	London	300	5002
21	5003	Lauson Hen	San Jose	0.12	3009	Geoff Cameron	Berlin	100	5003
22	5005	Pit Alex	London	0.11	3002	Nick Rimando	New York	100	5001
23	5005	Pit Alex	London	0.11	3003	Jozy Altidor	Moscow	200	5007
24	5005	Pit Alex	London	0.11	3004	Fabian Johnson	Paris	300	5006
25	5005	Pit Alex	London	0.11	3005	Graham Zusi	California	200	5002
26	5005	Pit Alex	London	0.11	3007	Brad Davis	New York	200	5001
27	5005	Pit Alex	London	0.11	3008	Julian Green	London	300	5002
28	5005	Pit Alex	London	0.11	3009	Geoff Cameron	Berlin	100	5003
29	5006	Mc Lyon	Paris	0.14	3002	Nick Rimando	New York	100	5001
30	5006	Mc Lyon	Paris	0.14	3003	Jozy Altidor	Moscow	200	5007
31	5006	Mc Lyon	Paris	0.14	3004	Fabian Johnson	Paris	300	5006
32	5006	Mc Lyon	Paris	0.14	3005	Graham Zusi	California	200	5002
33	5006	Mc Lyon	Paris	0.14	3007	Brad Davis	New York	200	5001
34	5006	Mc Lyon	Paris	0.14	3008	Julian Green	London	300	5002
35	5006	Mc Lyon	Paris	0.14	3009	Geoff Cameron	Berlin	100	5003
36	5007	Paul Adam	Rome	0.13	3002	Nick Rimando	New York	100	5001
37	5007	Paul Adam	Rome	0.13	3003	Jozy Altidor	Moscow	200	5007
38	5007	Paul Adam	Rome	0.13	3004	Fabian Johnson	Paris	300	5006
39	5007	Paul Adam	Rome	0.13	3005	Graham Zusi	California	200	5002
40	5007	Paul Adam	Rome	0.13	3007	Brad Davis	New York	200	5001
//1	5007	Paul Adam	Rome	0.13	3008	Julian Green	London	300	5002

20. Write a SQL statement to make a Cartesian product between salesman and customer i.e. each salesman will appear for all customers and vice versa for those salesmen who must belong to a city which is not the same as his customer and the customers should have their own grade

SELECT *
FROM Salesman
cross join customer
WHERE Salesman.City <> customer.City
AND customer.Grade is not null

00 %	/*Query19*	,									
⊞ Results ⊜ Messages											
_	Salesman_id	Name	City	Commission	Customer_id	Cust_name	City	Grade	Salesman		
1	5001	James Hoog	New York	0.15	3003	Jozy Altidor	Moscow	200	5007		
2	5001	James Hoog	New York	0.15	3004	Fabian Johnson	Paris	300	5006		
3	5001	James Hoog	New York	0.15	3005	Graham Zusi	California	200	5002		
4	5001	James Hoog	New York	0.15	3008	Julian Green	London	300	5002		
5	5001	James Hoog	New York	0.15	3009	Geoff Cameron	Berlin	100	5003		
6	5002	Nail Knite	Paris	0.13	3002	Nick Rimando	New York	100	5001		
7	5002	Nail Knite	Paris	0.13	3003	Jozy Altidor	Moscow	200	5007		
8	5002	Nail Knite	Paris	0.13	3004	Fabian Johnson	Paris	300	5006		
9	5002	Nail Knite	Paris	0.13	3005	Graham Zusi	California	200	5002		
10	5002	Nail Knite	Paris	0.13	3007	Brad Davis	New York	200	5001		
11	5002	Nail Knite	Paris	0.13	3008	Julian Green	London	300	5002		
12	5002	Nail Knite	Paris	0.13	3009	Geoff Cameron	Berlin	100	5003		
13	5003	Lauson Hen	San Jose	0.12	3002	Nick Rimando	New York	100	5001		
14	5003	Lauson Hen	San Jose	0.12	3003	Jozy Altidor	Moscow	200	5007		
15	5003	Lauson Hen	San Jose	0.12	3004	Fabian Johnson	Paris	300	5006		
16	5003	Lauson Hen	San Jose	0.12	3005	Graham Zusi	California	200	5002		
17	5003	Lauson Hen	San Jose	0.12	3007	Brad Davis	New York	200	5001		
18	5003	Lauson Hen	San Jose	0.12	3008	Julian Green	London	300	5002		
19	5003	Lauson Hen	San Jose	0.12	3009	Geoff Cameron	Berlin	100	5003		
20	5005	Pit Alex	London	0.11	3002	Nick Rimando	New York	100	5001		
21	5005	Pit Alex	London	0.11	3003	Jozy Altidor	Moscow	200	5007		
22	5005	Pit Alex	London	0.11	3004	Fabian Johnson	Paris	300	5006		
23	5005	Pit Alex	London	0.11	3005	Graham Zusi	California	200	5002		
24	5005	Pit Alex	London	0.11	3007	Brad Davis	New York	200	5001		
25	5005	Pit Alex	London	0.11	3009	Geoff Cameron	Berlin	100	5003		
26	5006	Mc Lyon	Paris	0.14	3002	Nick Rimando	New York	100	5001		
27	5006	Mc Lyon	Paris	0.14	3003	Jozy Altidor	Moscow	200	5007		
28	5006	Mc Lyon	Paris	0.14	3005	Graham Zusi	California	200	5002		
29	5006	Mc Lyon	Paris	0.14	3007	Brad Davis	New York	200	5001		
30	5006	Mc Lyon	Paris	0.14	3008	Julian Green	London	300	5002		
31	5006	Mc Lyon	Paris	0.14	3009	Geoff Cameron	Berlin	100	5003		
32	5007	Paul Adam	Rome	0.13	3002	Nick Rimando	New York	100	5001		
33	5007	Paul Adam	Rome	0.13	3003	Jozy Altidor	Moscow	200	5007		
34	5007	Paul Adam	Rome	0.13	3004	Fabian Johnson	Paris	300	5006		
35	5007	Paul Adam	Rome	0.13	3005	Graham Zusi	California	200	5002		
36	5007	Paul Adam	Rome	0.13	3007	Brad Davis	New York	200	5001		
37	5007	Paul Adam	Rome	0.13	3008	Julian Green	London	300	5002		
38	5007	Paul Adam	Rome	0.13	3009	Geoff Cameron	Berlin	100	5003		