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**REGN NO** : 19BCS0012

DBMS ETH : I

(PROBLEM SOLVING)

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**1.** Write a SQL statement to prepare a list with salesman name, customer name and their cities for the salesmen and customer who belongs to the same city.

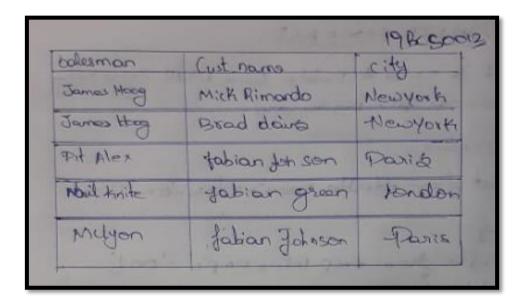
### Sample table: salesman

salesman_id   name	city	commission	1
-+		<del></del>	
5001   James Hoog   New York		0.15	
5002   Nail Knite   Paris	1	0.13	
5005   Pit Alex   London		0.11	
5006   Mc Lyon   Paris		0.14	
5007   Paul Adam   Rome		0.13	
5003   Lauson Hen   S	San Jose	0.1	_2

### Sample table: customer

customer_id	cust_name					
·	Nick Rimando		-		•	
3007	Brad Davis		New York		200	5001
3005	Graham Zusi		California		200	5002
3008	Julian Green		London	1	300	5002
3004	Fabian Johnson		Paris	1	300	5006
3009	Geoff Cameron		Berlin	1	100	5003
3003	Jozy Altidor		Moscow		200	5007
3001   Brad Guz	an   Londor	1			5005	5 customer id
cust_name	city		grade   sai	lesm	an_id	+
+	+		+			
3002	Nick Rimando		New York		100	5001
3007	Brad Davis		New York		200	5001
3005	Graham Zusi		California		200	5002
3008	Julian Green		London		300	5002
3004	Fabian Johnson		Paris		300	5006
3009	Geoff Cameron		Berlin	1	100	5003
3003	Jozy Altidor		Moscow		200	5007
3001   Brad Guz	an   Londor	ì		1	5005	5

# What is the output write it?



**2.** Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000.

### Sample table: orders

ord_nopurch	_amtord_date	customer_ids	alesman_id	
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

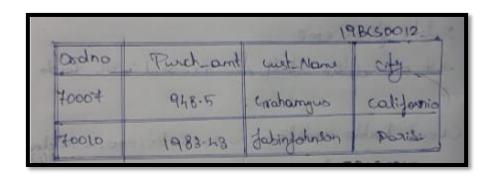
### Sample table: customer

customer_id	cust_name	 	city			salesm	an_id	
3002	Nick Rimando	1	New York		100	1	5001	
3007	Brad Davis		New York	1	200		5001	
3005	Graham Zusi		California	1	200		5002	
3008	Julian Green		London	1	300		5002	
3004	Fabian Johnson		Paris	1	300		5006	
3009	Geoff Cameron	Τ	Berlin	1	100	1	5003	

```
3003 | Jozy Altidor | Moscow | 200 | 5007
3001 | Brad Guzan | London | 5005
```

```
SELECTa.ord_no,a.purch_amt,
b.cust_name,b.cityFROM
orders a,customer b
WHEREa.customer_id=b.customer_id
ANDa.purch_amtBETWEEN500AND2000;
```

### Write the expected output for the above query?



3. Write a SQL statement to know which salesman are working for which customer.

#### Sample table: customer

customer_id	cust_name		city	gr	ade	salesma	n_id
3002 I	Nick Rimando	ı	New York	1	100	1	5001
3007	Brad Davis	i	New York	i	200	i	5001
3005	Graham Zusi	İ	California	ĺ	200	İ	5002
3008	Julian Green	-	London		300		5002
3004	Fabian Johnson		Paris		300	1	5006
3009	Geoff Cameron		Berlin		100	1	5003
3003	Jozy Altidor		Moscow		200	1	5007
3001	Brad Guzan		London			1	5005

#### Sample table: salesman

```
SELECTa.cust_nameAS"Customer Name",
a.city, b.name AS"Salesman",b.commission
FROM customer a
```

INNERJOIN salesman b
ONa.salesman\_id=b.salesman\_id;

# Write the expected output for the above query?



**4.** Write a SQL statement to find the list of customers who appointed a salesman for their jobs who gets a commission from the company is more than 12%

#### Sample table: customer

customer_id	cust_name		city	gr	ade	salesman_id	
					-+		
3002	Nick Rimando		New York		100	5001	
3007	Brad Davis		New York		200	5001	
3005	Graham Zusi		California		200	5002	
3008	Julian Green		London		300	5002	
3004	Fabian Johnson		Paris		300	5006	
3009	Geoff Cameron		Berlin		100	5003	
3003	Jozy Altidor		Moscow		200	5007	
3001   Brad Gu	zan   Londo:	n	I			5005	

## Sample table: salesman

salesman_id   name	-		
5001   James Hoog   New York			
5002   Nail Knite   Paris		0.13	
5005   Pit Alex   London		0.11	

```
5006 | Mc Lyon | Paris | 0.14
5007 | Paul Adam | Rome | 0.13
5003 | Lauson Hen | San Jose | 0.12

SELECTa.cust_nameAS"Customer Name",
a.city, b.name AS"Salesman",b.commission
FROM customer a
INNERJOIN salesman b
ONa.salesman_id=b.salesman_id
WHEREb.commission>.12;
```

# Write the appropriate output for the given query

ramakeus	cita	Salosman	commission
Nich Rimanda	nowyork	Famosloog	0.15
Brad Paris	Nowyork	Jamesharg	0.15
Granamani	califoria	Naissite	0.13
dalian grown	tondon	naulerite	0.18
Fabian johnson	paris	melyon	0.16
joby Altidan	Sexlin	Loubentike	10-12
Geoff cameron	menu	Paulndern	0.13
Brad Erwar	London	pit Alex	0.11

**5.** Write a SQL statement to find the list of customers who appointed a salesman for their jobs who does not live in the same city where their customer lives, and gets a commission is above 12% . Sample table: customer

#### Sample table: salesman

```
salesman id | name | city | commission -----
5001 | James Hoog | New York |
                                  0.15
5002 | Nail Knite | Paris |
                                   0.13
                | London
5005 | Pit Alex
                                   0.11
5006 | Mc Lyon | Paris
                                   0.14
5007 | Paul Adam | Rome
                           0.13
       5003 | Lauson Hen | San Jose |
                                       0.12
SELECTa.cust_nameAS"Customer Name",
a.city, b.name AS"Salesman",b.city,b.commission
FROM customer a
INNERJOIN salesman b
ONa.salesman id=b.salesman id
WHEREb.commission>.12
ANDa.city<>b.city;
```

# Write the appropriate output for the given query?

