

1. write a SQL query to find the salespersons and customers who live in same city. Display customer name, salesperson name and salesperson city.

```
SELECT customer_details.cust_name,SALESMAN_details.name
FROM customer_details, SALESMAN_details
WHERE SALESMAN_details.city = customer_details.city;
```

-----OutPut-----

CUST_NAME	NAME
Nick Rimando	James Hoog
Fabian Johnson	Mc Lyon
Fabian Johnson	Nail Knite
Brad Davis	James Hoog
Julian Green	Pit Alex
Brad Guzan	Pit Alex

2. write a SQL query to find all the customers along with the salesperson who works for them. Display customer name, and salesperson name.

```
SELECT customer_details.cust_name,SALESMAN_details.name
FROM customer_details, SALESMAN_details
WHERE SALESMAN_details.SALESMAN_ID = customer_details.SALESMAN_ID;
```

-----OutPut-----

CUST_NAME	NAME
Nick Rimando	James Hoog
Graham Zusi	Nail Knite
Fabian Johnson	Mc Lyon
Jozy Altidor	Paul Adam
Brad Davis	James Hoog
Julian Green	Nail Knite
Geoff Cameron	Lauson Hen
Brad Guzan	Pit Alex

3. write a SQL query to find those sales people who generated orders for their customers but not located in the same city. Display ord_no, cust_name, customer_id (orders table), salesman_id(orders table).

```
SELECT Order_details.ord_no, customer_details.cust_name,
order_details.customer_id, order_details.salesman_id
FROM SALESMAN_details, customer_details, Order_details
WHERE customer_details.city <> SALESMAN_details.city
AND Order_details.customer_id = customer_details.customer_id
AND Order_details.salesman_id = SALESMAN_details.salesman_id;
```

-----OutPut-----

ORD_NO	CUST_NAME	CUSTOMER_ID	SALESMAN_ID
70007	Graham Zusi	3005	5002
70001	Graham Zusi	3005	5002
70011	Jozy Altidor	3003	5007
70012	Julian Green	3008	5002
70003	Geoff Cameron	3009	5003
70004	Geoff Cameron	3009	5003

4. write a SQL query to find those orders made by customers. Display order number, customer name

```
select Order_details.ord_no, customer_details.cust_name
from Order_details,customer_details
```

```
where Order_details.CUSTOMER_ID = customer_details.CUSTOMER_ID;
```

```
-----OutPut-----
```

```
ORD_NO      CUST_NAME
```

```
70009 Brad Guzan
```

```
70004 Geoff Cameron
```

```
70005 Brad Davis
```

```
70010 Fabian Johnson
```

```
70012 Julian Green
```

```
70013 Nick Rimando
```

```
70001 Graham Zusi
```

```
70002 Nick Rimando
```

```
70007 Graham Zusi
```

```
70008 Nick Rimando
```

5. write a SQL query to find the maximum order (purchase) amount by each customer. The customer ID should be in the range 3002 and 3007(Begin and end values are included.). Display customer id and maximum purchase amount.

```
SELECT customer_id,MAX(purch_amt)
```

```
FROM Order_details
```

```
WHERE customer_id BETWEEN 3002 and 3007
```

```
GROUP BY customer_id;
```

```
-----OutPut-----
```

```
CUSTOMER_ID MAX(PURCH_AMT)
```

```
3004 1983.43
```

```
3002 5760
```

```
3005 948.5
```

```
3007 2400.6
```

```
3003 75.29
```

6.A query to find those orders where order amount exists between 500 and 2000. Display ord_no, purch_amt, cust_name, city

```
SELECT a.ord_no,a.purch_amt, b.cust_name,b.city
```

```
FROM Order_details a,customer_details b
```

```
WHERE a.customer_id=b.customer_id
```

```
AND a.purch_amt BETWEEN 500 AND 2000;
```

```
---OutPut----
```

```
ORD_NO      PURCH_AMT  CUST_NAME  CITY
```

```
70010 1983.43    Fabian Johnson  Paris
```

```
70007 948.5      Graham Zusi California
```

7. A SQL query to find the salesperson(s) and the customer(s) he handle. Display Customer Name, city, Salesman, commission.

```
select a.cust_name,a.city , b.name,b.commission
```

```
from customer_details a , SALESMAN_details b
```

```
WHERE b.city=a.city;
```

```
---OutPut-----
```

```
CUST_NAME  CITY  NAME  COMMISSION
```

```
Nick Rimando    New York  James Hoog  .15
```

```
Fabian Johnson  Paris  Mc Lyon  .14
```

```
Fabian Johnson  Paris  Nail Knite  .13
```

```
Brad Davis  New York  James Hoog  .15
```

```
Julian Green    London  Pit Alex  .11
```

Brad Guzan London Pit Alex .11

8.A SQL query to find those salespersons who received a commission from the company more than 12%. Display Customer Name, customer city, Salesman, commission

```
select a.cust_name,a.city ,b.name,b.commission
from customer_detalis a
INNER JOIN SALESMAN_details b
ON a.salesman_id=b.salesman_id
WHERE b.commission>.12;
```

-----OutPut-----

CUST_NAME	CITY	NAME	COMMISSION
Nick Rimando	New York	James Hoog	.15
Graham Zusi	California	Nail Knite	.13
Fabian Johnson	Paris	Mc Lyon	.14
Jozy Altidor	Moscow	Paul Adam	.13
Brad Davis	New York	James Hoog	.15
Julian Green	London	Nail Knite	.13

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

```
SELECT a.ord_no,a.ord_date,a.purch_amt,
b.cust_name AS "Customer Name", b.grade,
c.name AS "Salesman", c.commission
FROM Order_details a
INNER JOIN customer_detalis b
ON a.customer_id=b.customer_id
INNER JOIN SALESMAN_details c
ON a.salesman_id=c.salesman_id;
```

-----OutPut-----

ORD_NO	ORD_DATE	PURCH_AMT	Customer Name	GRADE	Salesman	COMMISSION
70008	09/10/2012	5760	Nick Rimando	100	James Hoog	.15
70002	05/10/2012	65.26	Nick Rimando	100	James Hoog	.15
70013	04/25/2012	3045.6	Nick Rimando	100	James Hoog	.15
70007	10/09/2012	948.5	Graham Zusi	200	Nail Knite	.13
70001	10/05/2012	150.5	Graham Zusi	200	Nail Knite	.13
70010	10/10/2012	1983.43	Fabian Johnson	300	Mc Lyon	.14
70011	08/17/2012	75.29	Jozy Altidor	200	Paul Adam	.13
70005	07/27/2012	2400.6	Brad Davis	200	James Hoog	.15
70012	06/27/2012	250.45	Julian Green	300	Nail Knite	.13
70003	10/10/2012	2480.4	Geoff Cameron	100	Lauson Hen	.12
