

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
Brad Davis	James Hoog
Julian Green	Pit Alex
Fabian Johnson	Mc Lyon
Fabian Johnson	Nail Knite
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
Brad Davis	James Hoog
Graham Zusi	Nail Knite
Julian Green	Nail Knite
Fabian Johnson	Mc Lyon
Geoff Cameron	Lauson Hen
Jozy Altidor	Paul Adam
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
70001	Graham Zusi	3005	5002
70007	Graham Zusi	3005	5002
70012	Julian Green	3008	5002
70004	Geoff Cameron	3009	5003
70003	Geoff Cameron	3009	5003
70011	Jozy Altidor	3003	5007

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
70007 Graham Zusi
70008 Nick Rimando
70010 Fabian Johnson
70003 Geoff Cameron
70012 Julian Green
70011 Jozy Altidor
70013 Nick Rimando
70001 Graham Zusi
70002 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_details.CUST_NAME AS "Customer",
customer_details.grade AS "Grade"
FROM Order_details, SALESMAN_details, customer_details
WHERE Order_details.customer_id = customer_details.customer_id
AND Order_details.salesman_id = SALESMAN_details.salesman_id
AND SALESMAN_details.city IS NOT NULL
AND customer_details.grade IS NOT NULL;
----output-----

```

```

Customer      Grade
Nick Rimando   100
Nick Rimando   100
Nick Rimando   100
Brad Davis    200
Graham Zusi    200
Graham Zusi    200
Julian Green   300
Fabian Johnson 300
Geoff Cameron  100
Geoff Cameron  100

```