

1. Write a query that lists each order number followed by the name of the customer who made the order.

```
KD2_Abhishek_96835>select o.onum,c.cname from orders o inner join customers c on c.cnum=o.cnum;
```

onum	cname
3001	Cisneros
3003	Hoffman
3002	Pereira
3005	Liu
3006	Cisneros
3009	Giovanni
3007	Grass
3008	Clemens
3010	Grass
3011	Clemens

```
10 rows in set (0.00 sec)
```

2. Write a query that gives the names of both the salesperson and the customer for each order along with the order number.

```
KD2_Abhishek_96835>select s.sname,c.cname,o.onum from customers as c inner join orders as o on c.cnum=o.cnum inner join salespeople as s on o.snum=s.snum;
```

sname	cname	onum
Peel	Hoffman	3003
Axelrod	Giovanni	3009
Serres	Liu	3005
Serres	Grass	3010
Serres	Grass	3007
Peel	Clemens	3011
Peel	Clemens	3008
Rifkin	Cisneros	3006
Rifkin	Cisneros	3001
Motika	Pereira	3002

```
10 rows in set (0.00 sec)
```

3. Write a query that produces all customers serviced by salespeople with a commission above 12%.

Display the customer's name, the salesperson's name, and the salesperson's rate of commission.

```
KD2_Abhishek_96835>select c.cname,s.sname,s.comm from customers c inner join salespeople as s on c.snum=s.snum having s.comm>0.12;
```

cname	sname	comm
Liu	Serres	0.13
Grass	Serres	0.13
Cisneros	Rifkin	0.15

```
3 rows in set (0.01 sec)
```

4. Write a query that calculates the commission earned by each salesperson for orders placed by customers with a rating above 100.

```
KD2_Abhishek_96835>select o.onum,(s.comm*o.amt) as commission from customers as c inner join orders as o on c.cnum=o.cnum inner join salespeople as s on o.snum=s.snum where c.rating>100;
```

onum	commission
3010	40.2935
3007	9.8475
3005	670.8585
3006	164.7240
3001	2.8035
3009	171.3230

```
6 rows in set (0.01 sec)
```

5. Write a query that produces all pairs of salespeople who are living in the same city. Exclude combinations of salespeople with themselves as well as duplicate rows with the order reversed .

```
KD2_Abhishek_96835>select s1.sname,s2.sname,s1.city from salespeople as s1 inner join salespeople as s2 on s1.city=s2.city where s1.sname<s2.sname;
+-----+-----+-----+
| sname | sname | city |
+-----+-----+-----+
| Motika | Peel | London |
+-----+-----+-----+
1 row in set (0.00 sec)

KD2_Abhishek_96835>
```