

Assignment No. 10

Joining a Table to Itself.

Name: - Suraj Balaram Patil

1) 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.

```
mysql> select c1.cname, c2.cname, c1.city, c1.rating from customers c1
```

-> join customers c2

-> on c1.rating = c2.rating

-> where c1.cnum < c2.cnum;

```
mysql> select c1.cname, c2.cname, c1.city, c1.rating from customers c1
-> join customers c2
-> on c1.rating = c2.rating
-> where c1.cnum < c2.cnum;
```

cname	cname	city	rating
Giovanni	Liu	Rome	200
Hoffman	Clemens	London	100
Grass	Cisneros	Berlin	300
Clemens	Pereira	London	100
Hoffman	Pereira	London	100

5 rows in set (0.00 sec)

2) Write a query that produces the names and cities of all customers with the same rating as Hoffman.

```
mysql> select c2.cname, c2.city, c1.rating from customers c1
```

-> join customers c2

-> on c1.rating = c2.rating

-> where c1.cname="Hoffman";

```
mysql> select c2.cname, c2.city, c1.rating from customers c1
-> join customers c2
-> on c1.rating = c2.rating
-> where c1.cname="Hoffman";
```

cname	city	rating
Hoffman	London	100
Clemens	London	100
Pereira	Rome	100

3 rows in set (0.00 sec)