

Assignment - 10

Joining a Table to Itself.

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.

Ans: -

```
mysql> SELECT s1.Sname AS Salesperson_1, s2.Sname AS  
Salesperson_2, s1.City  
-> FROM salespeople s1  
-> JOIN salespeople s2 ON s1.City = s2.City  
-> WHERE s1.Snum < s2.Snum;
```

Salesperson_1	Salesperson_2	City
John	Axelrod	New York
John	John	New York
Peel	Motika	London
Peel	Sarah	London
Axelrod	John	New York
Motika	Sarah	London

6 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.

Ans: -

```
mysql> SELECT C1.Cname, C1.City  
-> FROM Customers C1  
-> JOIN Customers C2 ON C1.Rating = C2.Rating  
-> WHERE C2.Cname = 'Hoffman';
```

Cname	City
Hoffman	London

1 row in set (0.01 sec)