

## 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.

```
mysql> SELECT s1.Sname AS Salesperson1, s2.Sname AS Salesperson2, s1.City
-> FROM salespeople s1
-> JOIN salespeople s2 ON s1.City = s2.City
-> WHERE s1.Snum < s2.Snum;
+-----+-----+-----+
| Salesperson1 | Salesperson2 | City |
+-----+-----+-----+
| Peel         | Motika       | London |
+-----+-----+-----+
1 row in set (0.01 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
-> FROM customers c1
-> JOIN customers c2 ON c1.Rating = c2.Rating
-> WHERE c1.Cname = 'Hoffman' AND c2.Cname != 'Hoffman';
+-----+-----+
| Cname | City |
+-----+-----+
| Clemens | London |
| Pereira | Rome |
+-----+-----+
2 rows in set (0.00 sec)
```