

## 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 (0.02 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';
+-----+-----+
| Cname   | City   |
+-----+-----+
| Hoffman | London |
| Clemens | London |
| Pereira | Rome   |
+-----+-----+
3 rows in set (0.01 sec)
```