

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 CONCAT(CONCAT(a.sname, ' '),b.sname) salespeople_of_same_city, a.city FROM salespeople a
-> JOIN salespeople b ON a.city = b.city AND a.snum<b.snum;
+-----+-----+
| salespeople_of_same_city | city |
+-----+-----+
| Peel Motika              | London |
+-----+-----+
1 row 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 Cname, city FROM customers
-> WHERE rating = (SELECT rating FROM customers WHERE cname='Hoffman');
+-----+-----+
| Cname | city |
+-----+-----+
| Hoffman | London |
| Clemens | London |
| Pereira | Rome |
+-----+-----+
3 rows in set (0.00 sec)
```

```
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 (0.00 sec)
```