

## 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:

```
select s1.sname, s2.sname,s1.city from salespeople s1 join salespeople s2 on  
s1.city = s2.city and s1.snum < s2.snum;
```

```
+-----+-----+-----+  
| sname | sname | city  |  
+-----+-----+-----+  
| Peel  | Motika | London |  
+-----+-----+-----+
```

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

Ans:

```
select c1.cname,c1.city from customers c1 join customers c2 on c1.rating = c2.rating  
where c2.cname = 'Hoffman';
```

```
+-----+-----+  
| cname | city  |  
+-----+-----+  
| Hoffman | London |  
| Clemens | London |  
| Pereira | Rome   |  
+-----+-----+
```