SQL Assignment 10

Joining a table to itself

Q.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.

```
D5_Shaurya_83785>select A.SNAME AS SALESPERSON1, B.SNAME AS SALESPERSON2, A.CITY
 FROM SALESPEOPLE A, SALESPEOPLE B WHERE A.CITY=B.CITY LIMIT 1;
+--------------+--------------+--------+
| SALESPERSON1 | SALESPERSON2 | CITY   |
+--------------+--------------+--------+
| Motika       | Peel         | London |
+--------------+--------------+--------+
1 row in set (0.00 sec)

D5_Shaurya_83785>select * from SALESPEOPLE;
```

```
D5_Shaurya_83785>select A.SNAME AS SALESPERSON1, B.SNAME AS SALESPERSON2, A.CITY
 FROM SALESPEOPLE A, SALESPEOPLE B WHERE A.CITY=B.CITY AND A.SNAME != B.SNAME;
+--------------+--------------+--------+
| SALESPERSON1 | SALESPERSON2 | CITY   |
+--------------+--------------+--------+
| Motika       | Peel         | London |
| Peel         | Motika       | London |
+--------------+--------------+--------+
2 rows in set (0.00 sec)
```

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

```
D5_Shaurya_83785>SELECT B.CNAME, B.RATING, B.CITY FROM CUSTOMERS A, CUSTOMERS B
WHERE A.RATING = B.RATING AND A.CNAME = 'Hoffman';
+---------+--------+--------+
| CNAME   | RATING | CITY   |
+---------+--------+--------+
| Hoffman |    100 | London |
| Clemens |    100 | London |
| Pereira |    100 | Rome   |
+---------+--------+--------+
3 rows in set (0.00 sec)
```