Assignment – 15

Using Subqueries with DML Commands.

1) Assume there is a table called Multicust, with all of the same column definitions as Salespeople. Write a command that inserts all salespeople with more than one customer into this table.

```
KD3_86720_Raju@>create table multicust AS select * from salespeople where sn
um in(select snum from orders group by snum having count(cnum) > 1);
Query OK, 2 rows affected, 1 warning (0.03 sec)
Records: 2  Duplicates: 0  Warnings: 1

KD3_86720_Raju@>select * from multicust;
+------+--------+-----------+------+
| Snum | Sname  | City      | Comm |
+------+--------+-----------+------+
| 1002 | Serres | San Jose  | 0.13 |
| 1007 | Rifkin | Barcelona | 0.15 |
+------+--------+-----------+------+
2 rows in set (0.00 sec)
```

2) Write a command that deletes all customers with no current orders.

```
KD3_86720_Raju@>select * from  customers;
+------+----------+-----------+--------+------+
| Cnum | Cname    | City      | Rating | Snum |
+------+----------+-----------+--------+------+
| 2001 | Hoffman  | London    |    100 | 1001 |
| 2002 | Giovanni | Rome      |    300 | 1003 |
| 2003 | Liu      | San Jose  |    200 | 1004 |
| 2004 | Grass    | Berlin    |    300 | 1004 |
| 2006 | Clemens  | London    |    100 | 1001 |
| 2008 | Cisneros | San Jose  |    300 | 1007 |
| 2007 | Pereira  | Rome      |    200 | 1004 |
+------+----------+-----------+--------+------+
7 rows in set (0.00 sec)

KD3_86720_Raju@>delete from customers where cnum not in (select cnum from or
ders);
Query OK, 1 row affected (0.01 sec)

KD3_86720_Raju@>select * from customers;
+------+----------+-----------+--------+------+
| Cnum | Cname    | City      | Rating | Snum |
+------+----------+-----------+--------+------+
| 2001 | Hoffman  | London    |    100 | 1001 |
| 2002 | Giovanni | Rome      |    300 | 1003 |
| 2003 | Liu      | San Jose  |    200 | 1004 |
| 2004 | Grass    | Berlin    |    300 | 1004 |
| 2008 | Cisneros | San Jose  |    300 | 1007 |
| 2007 | Pereira  | Rome      |    200 | 1004 |
+------+----------+-----------+--------+------+
6 rows in set (0.00 sec)
```

3) Write a command that increases by twenty percent the commissions of all salespeople with total orders above Rs. 3,000.

```
KD3_86720_Raju@>update salespeople set comm = comm+comm*.2
    -> where snum = ALL (
    -> select snum from orders
    -> group by snum
    -> having sum(amt) > 3000);
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

KD3_86720_Raju@>select * from salespeople;
+-------+---------+-----------+------+
| Snum  | Sname   | City      | Comm |
+-------+---------+-----------+------+
| 1001  | Peel    | London    | 0.12 |
| 1002  | Serres  | San Jose  | 0.16 |
| 1004  | Motika  | London    | 0.11 |
| 1007  | Rifkin  | Barcelona | 0.15 |
| 1003  | Axelrod | New York  | 0.10 |
| 1100  | Blanco  | San Jose  | NULL |
+-------+---------+-----------+------+
6 rows in set (0.00 sec)
```