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.

Query : CREATE TABLE Multicust AS SELECT * FROM Salespeople where snum in (select snum from customers group by snum having count(snum) > 1);

```
D3_92969_Dhananjay>CREATE TABLE Multicust AS SELECT * FROM Salespeople where snum in (select snum from customers grou
p by snum having count(snum) > 1);
Query OK, 2 rows affected, 1 warning (0.19 sec)
Records: 2  Duplicates: 0  Warnings: 1

D3_92969_Dhananjay>select * from Multicust ;
+------+--------+--------+------+
| Snum | Sname  | city   | Comm |
+------+--------+--------+------+
| 1004 | Motika | London | 0.11 |
| 1001 | Peel   | London | 0.12 |
+------+--------+--------+------+
2 rows in set (0.00 sec)
```

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

Query : delete from customers where cnum not in (select distinct cnum from orders);

```
D3_92969_Dhananjay>delete from customers where cnum not in (select distinct cnum from orders);
Query OK, 1 row affected (0.01 sec)

D3_92969_Dhananjay>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 (0.01 sec)
```

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

Query : update salespeople set comm = 1.22*comm where snum in (select snum from orders group by snum having sum(amt) > 3000) ;

```
D3_92969_Dhananjay>update salespeople set comm = 1.22*comm where snum in (select snum from orders group by snum havin
g sum(amt) > 3000 ) ;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

D3_92969_Dhananjay>select * from salespeople ;
+------+---------+-----------+------+
| Snum | Sname   | city      | Comm |
+------+---------+-----------+------+
| 1004 | Motika  | London    | 0.11 |
| 1007 | Rifkin  | Barcelona | 0.15 |
| 1003 | Axelrod | New York  | 0.10 |
| 1001 | Peel    | London    | 0.12 |
| 1002 | Serres  | San Jose  | 0.16 |
| 1100 | Blanco  | San Jose  | NULL |
+------+---------+-----------+------+
6 rows in set (0.01 sec)
```