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.**

Ans: INSERT INTO Multicust (Snum, Sname, City, Comm)

-> SELECT Snum, Sname, City, Comm

-> FROM Salespeople

-> WHERE Snum IN (

-> SELECT Snum

-> FROM Customers

-> GROUP BY Snum

-> HAVING COUNT(*) > 1

->);

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

Ans: DELETE FROM Customers

-> WHERE Cnum NOT IN (

-> SELECT Cnum

-> FROM Orders

->);

```
Query OK, 1 row affected (0.02 sec)
```

```
+------+----------+----------+--------+------+
| 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.

Ans: UPDATE Salespeople

  -> SET Comm = Comm * 1.20

  -> WHERE Snum IN (

  ->   SELECT Snum

  ->   FROM Orders

  ->   GROUP BY Snum

  ->   HAVING SUM(Amt) > 3000

  ->);

```
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
+------+---------+-----------+------+
| 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)
```