

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.

```
mysql> CREATE TABLE Multicust AS
  -> SELECT * FROM salespeople WHERE 1=0;
Query OK, 0 rows affected, 1 warning (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> INSERT INTO Multicust
  -> SELECT *
  -> FROM salespeople
  -> WHERE snum IN (SELECT snum FROM customers GROUP BY snum
  -> HAVING COUNT(*) > 1);
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> SELECT *from Multicust;
+-----+-----+-----+-----+
| Snum | Sname | City   | Comm |
+-----+-----+-----+-----+
| 1001 | Peel  | London | 0.12 |
| 1002 | Serres| San Jose| 0.13 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

```
mysql> DELETE FROM customers
  -> WHERE cnum NOT IN (
  -> SELECT DISTINCT cnum FROM orders);
Query OK, 1 row affected (0.01 sec)
```

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

```
mysql> UPDATE salespeople
-> SET comm = comm * 1.2
-> WHERE snum IN (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
```

```
mysql> SELECT *from salespeople;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.16
1003	Axelrod	New York	0.10
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1100	Blanco	San Jose	NULL

```
6 rows in set (0.00 sec)
```