

**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.

```
INSERT INTO multicust
SELECT * FROM (
  SELECT s.snum, s.sname, s.city, s.comm
  FROM salespeople s
  JOIN customers c ON s.snum = c.snum
  GROUP BY s.snum
  HAVING COUNT(c.cnum) > 1
) AS sub;
```

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

```
mysql> DELETE c
-> FROM customers c
-> LEFT JOIN orders o ON c.cnum = o.cnum
-> WHERE o.cnum IS NULL;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 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.

```
mysql> UPDATE salespeople
-> SET comm =comm +0.20
-> 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
```