

Assignment – 15  
Using Subqueries with DML Commands.

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

```
KD2-87412-Abhishek@>CREATE TABLE Multicast AS
-> SELECT *
-> FROM salespeople
-> WHERE snum IN
->     (SELECT snum
->      FROM customers
->      GROUP BY snum
->      HAVING count(snum)>1);
Query OK, 1 row affected (0.02 sec)
Records: 1 Duplicates: 0 Warnings: 0
```

```
KD2-87412-Abhishek@>select * from multicast;
+-----+-----+-----+-----+
| Snum | Sname | city   | comm |
+-----+-----+-----+-----+
| 1001 | peel  | London | 0.12 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

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

```
KD2-87412-Abhishek@>delete from customers where cnum in (select cnum from orders
-> group by cnum having count(cnum)=0);
Query OK, 0 rows affected (0.00 sec)
```

```
KD2-87412-Abhishek@>select * from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Gionavi | Rome   | 300    | 1003 |
| 2003 | liu     | Sanjose | 200    | 1002 |
| 2004 | Grass   | Berlin | 200    | 1002 |
| 2006 | Celmens | London | 100    | 1001 |
| 2006 | Cisneros | SanJose | 300    | 1007 |
| 2007 | Pereira | Rome   | 200    | NULL |
+-----+-----+-----+-----+-----+
7 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.

```
KD2-87412-Abhishek@>UPDATE salespeople
-> SET comm=comm*1.20
-> WHERE snum IN
->     (SELECT snum
->        FROM orders
->        WHERE amt>300);
Query OK, 4 rows affected (0.01 sec)
Rows matched: 4  Changed: 4  Warnings: 0

KD2-87412-Abhishek@> select * from salespeople;
+-----+-----+-----+-----+
| Snum | Sname | city   | comm |
+-----+-----+-----+-----+
| 1001 | peel  | London | 0.144 |
| 1100 | Blanco | San jose | NULL |
| 1004 | Motika | London | 0.132 |
| 1007 | Rifkin | Barcelona | 0.18 |
| 1003 | Aexlord | New york | 0.12 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

