

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.

```
KD2-87199-PRATHAMESH@>create table Multicust as select * from salespeople where snum in(select snum from orders group by snum having count(cnum)>1);
Query OK, 2 rows affected, 1 warning (0.05 sec)
Records: 2 Duplicates: 0 Warnings: 1

KD2-87199-PRATHAMESH@>select * from Multicust;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1002 | Serres | San Jose | 0.13 |
| 1007 | Rifkin | Barcelona | 0.15 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

```
KD2-87199-PRATHAMESH@>delete from customer where cnum!=all(select cnum from orders);
Query OK, 1 row affected (0.01 sec)
```

```
KD2-87199-PRATHAMESH@>select * from customer;
+-----+-----+-----+-----+-----+
| 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 Rose | 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.

```
KD2-87199-PRATHAMESH@>update salespeople set comm=comm+comm*.2 where snum=all(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

KD2-87199-PRATHAMESH@>select * from salespeople;
+-----+-----+-----+-----+
| 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)
```