

SQL 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.

```
W2_84069_anup>Create table Multicast as select * from salespeople where Snum in
(Select Snum from customers group by Snum Having count(Snum)>1);
Query OK, 2 rows affected, 1 warning (0.83 sec)
Records: 2  Duplicates: 0  Warnings: 1

W2_84069_anup>select * from Multicast;
+-----+-----+-----+-----+
| 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.

```
W2_84069_anup>delete from customers where Cnum not in (select Cnum from orders);
Query OK, 1 row affected (0.17 sec)

W2_84069_anup>select *from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London  | 100    | 1001 |
| 2002 | Giovanni | Rome    | 300    | 1003 |
| 2003 | Liu     | San Jose | 200    | 1002 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
| 2007 | Pereira | Rome    | 200    | 1002 |
+-----+-----+-----+-----+-----+
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.

```
W2_84069_anup>update salespeople set comm=comm*0.20 where Snum in (select Snum f
rom orders where Amt > 3000);
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
W2_84069_anup>select *from salespeople;
```

```
+-----+-----+-----+-----+
| Snum | Sname  | City    | Comm |
+-----+-----+-----+-----+
| 1001 | Peel   | London  | 0.12 |
| 1002 | Serres | San jose | 0.03 |
| 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 (0.01 sec)
```