

## 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.

```
D1_86939_Prajwal>create table Multicast as select * from salespeople where snum in (select snum from
customers group by snum having count(cnum) > 1);
Query OK, 2 rows affected, 1 warning (0.02 sec)
Records: 2 Duplicates: 0 Warnings: 1

D1_86939_Prajwal>select * from multicast;
ERROR 1146 (42S02): Table 'classwork.multicast' doesn't exist
D1_86939_Prajwal>select * from multicast;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel  | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

```
line 1
D1_86939_Prajwal>delete from customers where cnum not in (select cnum from orders);
Query OK, 1 row affected (0.02 sec)

D1_86939_Prajwal>select * from customers;
+-----+-----+-----+-----+-----+
| 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 Jose | 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

```
D1_86939_Prajwal>update salespeople set comm = comm * 1.20 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

D1_86939_Prajwal>select * from salespeople where snum in ( select snum from orders group by snum having sum(amt) > 3000);
+-----+-----+-----+-----+
| Snum | Sname | City   | Comm |
+-----+-----+-----+-----+
| 1002 | Serres | San Jose | 0.16 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

D1_86939_Prajwal>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)

D1_86939_Prajwal>
```