

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.

```
W2_87323_Dhanashri>INSERT INTO Multicust (Snum, Sname, City, Comm)
-> SELECT Snum, Sname, City, Comm
-> FROM salespeople
-> WHERE Snum IN (
->     SELECT Snum
->     FROM customers
->     GROUP BY Snum
->     HAVING COUNT(Cnum) > 1
-> );
ERROR 1146 (42S02): Table 'classwork.multicust' doesn't exist
W2_87323_Dhanashri>
```

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

```
W2_87323_Dhanashri>DELETE FROM customers
-> WHERE Cnum NOT IN (
->     SELECT Cnum
->     FROM orders
-> );
Query OK, 1 row affected (0.01 sec)

W2_87323_Dhanashri>SELECT * FROM customers
-> WHERE Cnum NOT IN (
->     SELECT Cnum
->     FROM orders
-> );
Empty 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_87323_Dhanashri>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 (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0

W2_87323_Dhanashri>SELECT Sname, Comm FROM salespeople;
+-----+-----+
| Sname | Comm |
+-----+-----+
| Peel  | 0.12 |
| Serres| 0.16 |
| Motika| 0.11 |
| Rifkin| 0.15 |
| Axelrod| 0.10 |
| Blanco| NULL |
+-----+-----+
6 rows in set (0.00 sec)
```