

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

```
D2_92814_Krushna>CREATE TABLE Multicust AS
-> SELECT *
-> FROM Salespeople
-> WHERE 1=0;
Query OK, 0 rows affected, 1 warning (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 1

D2_92814_Krushna>INSERT INTO Multicust
-> SELECT *
-> FROM Salespeople
-> WHERE snum IN (
->     SELECT snum
->     FROM Customers
->     GROUP BY snum
->     HAVING COUNT(*) > 1
-> );
Query OK, 2 rows affected (0.05 sec)
Records: 2 Duplicates: 0 Warnings: 0

D2_92814_Krushna>select * from multicust ;
+-----+-----+-----+-----+
| 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.

```
D2_92814_Krushna>DELETE FROM Customers
-> WHERE cnum NOT IN (
->     SELECT cnum
->     FROM Orders
-> );
Query OK, 2 rows affected (0.05 sec)

D2_92814_Krushna>select * from customers ;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 300    | 1003 |
| 2004 | Grass   | Berlin | 300    | 1004 |
| 2008 | Pereira | Rome   | 250    | 1004 |
+-----+-----+-----+-----+-----+
4 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

```
D2_92814_Krushna>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 (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

D2_92814_Krushna>select * from Salespeople ;
+-----+-----+-----+-----+
| Snum | Sname   | City      | Comm |
+-----+-----+-----+-----+
| 1001 | Peel    | London    | 0.12 |
| 1002 | Serres  | San Jose  | 0.13 |
| 1004 | Motika  | London    | 0.11 |
| 1007 | Rifkin  | Barcelona | 0.18 |
| 1003 | Axelrod | New York  | 0.10 |
| 1100 | San Jose| Blanco    | NULL |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```