***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.

**Ans :**

**mysql> 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**

**-> );**

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

**Ans :**

**mysql> DELETE FROM customers**

**-> WHERE Cnum NOT IN (**

**-> SELECT DISTINCT Cnum**

**-> FROM orders**

**-> );**

**Query OK, 2 rows affected (0.01 sec)**

**mysql> select \* from customers;**

**+------+----------+----------+--------+------+**

**| Cnum | Cname | City | Rating | Snum |**

**+------+----------+----------+--------+------+**

**| 2001 | Rahul | Pune | 100 | 1001 |**

**| 2002 | Neha | Mumbai | 200 | 1004 |**

**| 2003 | Karan | Delhi | 150 | 1003 |**

**| 2004 | Isha | Pune | 250 | 1001 |**

**| 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 |**

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**ANS OF 4TH ::**

**mysql> UPDATE salespeople s**

**-> SET s.Comm = s.Comm \* 1.20**

**-> WHERE s.Snum IN (**

**-> SELECT o.Snum**

**-> FROM orders o**

**-> GROUP BY o.Snum**

**-> HAVING SUM(o.Amt) > 3000**

**-> );**

**Query OK, 3 rows affected (0.01 sec)**

**Rows matched: 3 Changed: 3 Warnings: 0**

**mysql> select \* from salespeople;**

**+------+---------+-----------+------+**

**| Snum | Sname | City | Comm |**

**+------+---------+-----------+------+**

**| 1001 | Amit | Pune | 0.15 |**

**| 1002 | Sneha | Mumbai | 0.24 |**

**| 1003 | Raj | Delhi | 0.13 |**

**| 1004 | Meera | Chennai | 0.12 |**

**| 1005 | Vikram | Pune | 0.18 |**

**| 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 |**

**| 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 |**

**| NULL | Blanco | San Jose | NULL |**

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1. Write a command that increases by twenty percent the commissions of all salespeople with total orders above Rs. 3,000.