

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.

ANSWER÷

```
mysql> CREATE TABLE Multicust (  
    ->   Snum INT PRIMARY KEY,  
    ->   Sname VARCHAR(10),  
    ->   City VARCHAR(20),  
    ->   Comm FLOAT(5,2)  
    -> );
```

Query OK, 0 rows affected, 1 warning (0.03 sec)

```
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);
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

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

ANSWER÷

```
mysql> DELETE FROM customers  
    -> WHERE Cnum NOT IN (SELECT Cnum FROM orders);
```

Query OK, 15 rows affected (0.01 sec)

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

ANSWER÷

```
mysql> UPDATE salespeople  
    -> SET Comm = Comm * 1.20  
    -> WHERE Snum IN (  
    ->   SELECT Snum
```

```
-> FROM orders  
-> GROUP BY Snum  
-> HAVING SUM(Amt) > 3000  
-> );
```

Query OK, 3 rows affected (0.01 sec)

Rows matched: 3 Changed: 3 Warnings: 0