

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_93085_Teja1 CREATE TABLE MULTICUST
-> (
-> SNUM INT(4),
-> SNAME VARCHAR(10),
-> CITY VARCHAR(10),
-> COMM FLOAT(3,2)
-> );
Query OK, 0 rows affected, 2 warnings (0.11 sec)

W2_93085_Teja1 INSERT INTO Multicust (Snum, Sname, City, Comm)
-> SELECT S.Snum, S.Sname, S.City, S.Comm
-> FROM SALESPEOPLE S
-> WHERE S.Snum IN (
->     SELECT Snum
->     FROM CUSTOMERS
->     GROUP BY Snum
->     HAVING COUNT(*) > 1
-> );
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

W2_93085_Teja1 SELECT *FROM MULTICUST;
+-----+-----+-----+-----+
| SNUM | SNAME | CITY  | COMM |
+-----+-----+-----+-----+
| 1001 | Peel  | London | 0.12 |
| 1001 | Peel  | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

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

```
W2_93085_Tejas 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
2006	Clemens	London	100	1001
2008	Cisneros	San_Jose	300	1007
2007	Pereira	Rome	200	1004

```
7 rows in set (0.00 sec)
```

```
W2_93085_Tejas DELETE FROM CUSTOMERS
```

```
-> WHERE CNUM NOT IN (  
->     SELECT DISTINCT CNUM  
->     FROM ORDERS  
-> );
```

```
Query OK, 1 row affected (0.01 sec)
```

```
W2_93085_Tejas 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.

```
W2_93085_Tejal SELECT *FROM SALESPEOPLE;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1001	Peel	London	0.12
1002	Serres	San_Jose	0.13
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelord	New_York	0.10
1100	Blanco	San Jose	NULL

```
7 rows in set (0.00 sec)
```

```
W2_93085_Tejal 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
```

```
W2_93085_Tejal SELECT *FROM SALESPEOPLE;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1001	Peel	London	0.12
1002	Serres	San_Jose	0.16
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelord	New_York	0.10
1100	Blanco	San Jose	NULL

```
7 rows in set (0.00 sec)
```

