

# SQL 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-:** create table Multicust  
as  
select \* from SALESPEOPLE  
where Snum in (select Snum from CUSTOMERS  
group by Snum  
having count(Snum) > 1);

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>create table Multicust  
-> as  
-> select * from SALESPEOPLE  
-> where Snum in (select Snum from CUSTOMERS  
-> group by Snum  
-> having count(Snum) > 1);  
Query OK, 2 rows affected (1.07 sec)  
Records: 2  Duplicates: 0  Warnings: 0  
  
D5_Amit_84097>select * from Multicust;  
+-----+-----+-----+-----+  
| Snum | Sname  | City    | Comm |  
+-----+-----+-----+-----+  
| 1001 | Peel   | London  | 0.12 |  
| 1002 | Serres | San Jose | 0.13 |  
+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
D5_Amit_84097>
```

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

Ans:- delete from CUSTOMERS

where Cnum not in (select Cnum from ORDERS);

```
amit@amit-Lenovo-ideapad-510-151KB: ~  
D5_Amit_84097>select * from CUSTOMERS;  
+-----+-----+-----+-----+-----+  
| Cnum | Cname   | City    | Rating | Snum |  
+-----+-----+-----+-----+-----+  
| 2001 | Hoffman | London  | 100    | 1001 |  
| 2002 | Giovanni | Rome    | 200    | 1003 |  
| 2003 | Liu      | San Jose | 200    | 1002 |  
| 2004 | Grass    | Berlin  | 300    | 1002 |  
| 2006 | Clemens  | London  | 100    | 1001 |  
| 2008 | Cisneros | San Jose | 300    | 1007 |  
| 2007 | Pereira  | Rome    | 100    | 1004 |  
| 2010 | XYZ      | Delhi   | NULL   | NULL |  
+-----+-----+-----+-----+-----+  
8 rows in set (0.01 sec)  
  
D5_Amit_84097>delete from CUSTOMERS  
-> where Cnum not in (select Cnum from ORDERS);  
Query OK, 1 row affected (0.00 sec)  
  
D5_Amit_84097>select * from CUSTOMERS;  
+-----+-----+-----+-----+-----+  
| Cnum | Cname   | City    | Rating | Snum |  
+-----+-----+-----+-----+-----+  
| 2001 | Hoffman | London  | 100    | 1001 |  
| 2002 | Giovanni | Rome    | 200    | 1003 |  
| 2003 | Liu      | San Jose | 200    | 1002 |  
| 2004 | Grass    | Berlin  | 300    | 1002 |  
| 2006 | Clemens  | London  | 100    | 1001 |  
| 2008 | Cisneros | San Jose | 300    | 1007 |  
| 2007 | Pereira  | Rome    | 100    | 1004 |  
+-----+-----+-----+-----+-----+  
7 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.

Ans:- update SALESPEOPLE  
set Comm = 1.2\*Comm  
where Snum in (select Snum from ORDERS  
where Amt > 3000);

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>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  | 0.15 |  
| 1003 | Axelrod | New York   | 0.1   |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)  
  
D5_Amit_84097>update SALESPEOPLE  
-> set Comm = 1.2*Comm  
-> where Snum in (select Snum from ORDERS  
-> where Amt > 3000);  
Query OK, 2 rows affected (0.00 sec)  
Rows matched: 2  Changed: 2  Warnings: 0  
  
D5_Amit_84097>select * from SALESPEOPLE;  
+-----+-----+-----+-----+  
| Snum | Sname   | City       | Comm |  
+-----+-----+-----+-----+  
| 1001 | Peel    | London     | 0.144 |  
| 1002 | Serres  | San Jose   | 0.156 |  
| 1004 | Motika  | London     | 0.11 |  
| 1007 | Rifkin  | Barcelona  | 0.15 |  
| 1003 | Axelrod | New York   | 0.1   |  
+-----+-----+-----+-----+  
5 rows in set (0.00 sec)  
  
D5_Amit_84097>
```