

SQL Assignment – 15

Using Subqueries with DML Commands.

1) Assume there is a table called Multicast, 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:

```
W1_83926_Vaibhavi>create table Multicasts as select * from Salespeople where Snum in
(select snum from Customers group by Snum Having count(Snum) > 1);
Query OK, 2 rows affected, 1 warning (1.93 sec)
Records: 2 Duplicates: 0 Warnings: 1

W1_83926_Vaibhavi>select * from Multicasts;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+-----+-----+-----+-----+
2 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:

```
W1_83926_Vaibhavi>update Salespeople set Comm=Comm*0.20
-> where Snum in (select Snum from Orders where Amt>3000);
Query OK, 2 rows affected (0.07 sec)
Rows matched: 2 Changed: 2 Warnings: 0

W1_83926_Vaibhavi>select * from Salespeople;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select * from Salespeople' at line 1
W1_83926_Vaibhavi>select * from Salespeople;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.02 |
| 1002 | Serres | San Jose | 0.03 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifikin | Barcelona | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
| 1100 | Blanco | San Jose | NULL |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

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

Ans:

```
W1_83926_Vaibhavi>insert into Customers2 values(2024,'Scott','USA',500,1010);
Query OK, 1 row affected (0.07 sec)
```

```
W1_83926_Vaibhavi>select * from Customers2;
```

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
2024	Scott	USA	500	1010

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

```
W1_83926_Vaibhavi>delete from Customers2 where Cnum not in(select Cnum from Orders);
Query OK, 1 row affected (0.08 sec)
```

```
W1_83926_Vaibhavi>select * from Customers2;
```

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)
```