

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.

```
Create table multicust
As
Select * from salespeople where snum =any
(Select snum from customers
Group by snum
Having count(snum) >1);
```

```
D3_92819_Shubham>Create table multicust
-> As
-> Select * from salespeople where snum =any
-> (Select snum from customers
-> Group by snum
-> Having count(snum) >1);
Query OK, 2 rows affected, 1 warning (0.04 sec)
Records: 2  Duplicates: 0  Warnings: 1

D3_92819_Shubham>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)

D3_92819_Shubham>
```

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

Delete customers where cnum = any
(Select cnum from orders where cnum NOT IN
(Select cnum from customers));

```
D3_92819_Shubham>DELETE FROM customers
-> WHERE cnum NOT IN (
->     SELECT DISTINCT cnum
->     FROM orders
-> );
Query OK, 0 rows affected (0.00 sec)

D3_92819_Shubham>|
```

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

```
Update salespeople
Set comm = comm + comm*0.20
where snum = any
(Select snum from orders
Group by snum
Having sum(amt)>3000);
```

```
D3_92819_Shubham>Update salespeople
-> Set comm = comm + comm*0.20
-> where snum = any
-> (Select snum from orders
-> Group by snum
-> Having sum(amt)>3000);
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2  Changed: 2  Warnings: 0

D3_92819_Shubham>select * from salespeople;
+-----+-----+-----+-----+
| Snum | Sname   | City       | Comm |
+-----+-----+-----+-----+
| 1001 | Peel    | London     | 0.14 |
| 1002 | Serres   | San Jose   | 0.16 |
| 1004 | Motika   | London     | 0.11 |
| 1007 | Rifkin   | Barcelona  | 0.15 |
| 1003 | Axelrod  | New York   | 0.10 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

D3_92819_Shubham>
```