<u>*Assignment – 15*</u>
<u>Using Subqueries with DML Commands.</u>

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.

   QUERY:

   insert into multicust

   -> select * from salespeople

   -> where Snum in (select Snum from customers

   -> group by snum

   -> having count(snum) > 1);

```
D3_93025_Omkar>select * from multicust;
+-------+---------+---------+-------+
| Snum  | Sname   | City    | Comm  |
+-------+---------+---------+-------+
| 1001  | Peel    | London  | 0.12  |
| 1004  | Motika  | London  | 0.11  |
+-------+---------+---------+-------+
2 rows in set (0.01 sec)
```

2) Write a command that deletes all customers with no current orders.
   Query:
   DELETE FROM customers
   -> WHERE cnum = ANY (
   ->   SELECT cnum
   ->   FROM (
   ->   SELECT cnum
   ->   FROM orders
   ->   WHERE cnum NOT IN (
   ->   SELECT cnum
   ->   FROM customers
   ->   )
   ->   ) AS temp
   ->);

```
D3_93025_Omkar>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)
```

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

Query:

update salespeople
    -> set comm = comm + comm*0.2
    -> where snum in (select snum from orders
    -> group by snum
    -> having sum(amt) > 3000);

```
D3_93025_Omkar>update salespeople
    -> set comm = comm + comm*0.2
    -> where snum in (select snum from orders
    -> group by snum
    -> having sum(amt) > 3000);
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0

D3_93025_Omkar>select * from salespeople;
+-------+----------+-----------+-------+
| Snum  | Sname    | City      | Comm  |
+-------+----------+-----------+-------+
|  1001 | Peel     | London    | 0.12  |
|  1004 | Motika   | London    | 0.11  |
|  1007 | Rifkin   | Barcelona | 0.15  |
|  1003 | Axelrod  | New York  | 0.10  |
|  1100 | Blanco   | San Jose  | NULL  |
|  1002 | Serres   | San Jose  | 0.16  |
+-------+----------+-----------+-------+
6 rows in set (0.00 sec)
```