

SQL ASSIGNMENT – 15

Q1. 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 :-

```
D5_tejas_84011>SELECT * FROM CUSTOMERS;
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 300    | 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   | 200    | 1002 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

D5_tejas_84011>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 warning (0.03 sec)
Records: 2 Duplicates: 0 Warnings: 1

D5_tejas_84011>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)
```

Q2. Write a command that deletes all customers with no current orders.

Ans :-

```
D5_tejas_84011>SELECT * FROM CUSTOMERS;
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 300    | 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   | 200    | 1002 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
D5_tejas_84011>INSERT INTO CUSTOMERS VALUES(2012, 'Shubham','Wardha',500,1005);
Query OK, 1 row affected (0.01 sec)
```

```
D5_tejas_84011>SELECT * FROM CUSTOMERS;
```

Cnum	Cname	City	Rating	Snum
2001	Hoffman	London	100	1001
2002	Giovanni	Rome	300	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	200	1002
2012	Shubham	Wardha	500	1005

8 rows in set (0.00 sec)

```
D5_tejas_84011>DELETE FROM CUSTOMERS WHERE Cnum NOT IN (SELECT DISTINCT Cnum FROM ORDERS);
Query OK, 2 rows affected (0.02 sec)
```

```
D5_tejas_84011>SELECT * FROM CUSTOMERS;
```

Cnum	Cname	City	Rating	Snum
2001	Hoffman	London	100	1001
2002	Giovanni	Rome	300	1003
2003	Liu	San Jose	200	1002
2004	Grass	Berlin	300	1002
2008	Cisneros	San Jose	300	1007
2007	Pereira	Rome	200	1002

6 rows in set (0.00 sec)

Q3. Write a command that increases by twenty percent the commissions of all salespeople with total orders above Rs. 3,000.

Ans :-

```
D5_tejas_84011>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 | 0.10 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
D5_tejas_84011>UPDATE SALESPEOPLE SET Comm=Comm*1.20 WHERE Snum IN (SELECT Snum FROM ORDERS WHERE Amt>300);
Query OK, 5 rows affected (0.02 sec)
Rows matched: 5  Changed: 5  Warnings: 0
```

```
D5_tejas_84011>SELECT * FROM SALESPEOPLE;\
```

```
+-----+-----+-----+-----+
| Snum | Sname | City   | Comm |
+-----+-----+-----+-----+
| 1001 | Peel  | London | 0.14 |
| 1002 | Serres| San Jose | 0.16 |
| 1004 | Motika | london | 0.13 |
| 1007 | Rifkin | Barcelona | 0.18 |
| 1003 | Axelrod | New York | 0.12 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```