

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.

```
KD3_87023_Abhishek@>create table multicust as select sname,salespeople.snum from salespeople,orders where salespeople.snum=orders.snum group by salespeople.snum,sname
having count(orders.snum)>1;
Query OK, 2 rows affected (0.06 sec)
Records: 2 Duplicates: 0 Warnings: 0

KD3_87023_Abhishek@>select * from multicust;
+-----+
| sname | snum |
+-----+
| Serres | 1002 |
| Rifkin | 1007 |
+-----+
2 rows in set (0.00 sec)

KD3_87023_Abhishek@>show tables;
+-----+
| Tables_in_assignment1 |
+-----+
| customers              |
| multicust               |
| orders                 |
| salespeople             |
+-----+
4 rows in set (0.02 sec)
```

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

```
KD3_87023_Abhishek@>
KD3_87023_Abhishek@>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)

KD3_87023_Abhishek@>select * from orders;
+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1030.15 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.13 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
+-----+
8 rows in set (0.00 sec)

KD3_87023_Abhishek@>delete from customers where cnum not in(select cnum from orders);
Query OK, 1 row affected (0.01 sec)

KD3_87023_Abhishek@>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 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+
```

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

```
KD3_87023_Abhishek@>select * from orders;
```

Onum	Amt	Odate	Cnum	Snum
3003	767.19	1990-10-03	2001	1001
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1090.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002
3010	1309.95	1990-10-06	2004	1002
3001	18.69	1990-10-03	2008	1007

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

```
KD3_87023_Abhishek@>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
1100	Blanco	San Jose	NULL

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

```
KD3_87023_Abhishek@>update salespeople set comm=comm+comm*0.2 where snum=any (select snum from orders where amt>3000);
```

```
Query OK, 1 row affected (0.02 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
KD3_87023_Abhishek@>select*from salespeople;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.16
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelrod	New York	0.10
1100	Blanco	San Jose	NULL

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