

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 : KD4-89208-Ashish>create table Multicast 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 (0.06 sec)

Records: 2 Duplicates: 0 Warnings: 1

KD4-89208-Ashish>select* from Multicast;

```
KD4-89208-Ashish>create table Multicast 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 (0.06 sec)
Records: 2 Duplicates: 0 Warnings: 1

KD4-89208-Ashish>select* from Multicast;
+-----+-----+-----+-----+
| Snum | Sname | City   | Comm |
+-----+-----+-----+-----+
| 1001 | Peel  | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

ANS : KD4-89208-Ashish>delete from customers

-> where cnum NOT IN (select cnum from orders);

Query OK, 1 row affected (0.02 sec)

KD4-89208-Ashish>select * from customers;

```
KD4-89208-Ashish>delete from customers
-> where cnum NOT IN (select cnum from orders);
Query OK, 1 row affected (0.02 sec)
```

```
KD4-89208-Ashish>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)
```

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

ANS: KD4-89208-Ashish>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

KD4-89208-Ashish>select * from salespeople;

```
KD4-89208-Ashish>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

```
KD4-89208-Ashish>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
1100	Blanco	San Jose	NULL

6 rows in set (0.00 sec)