**Assignment 14**

mysql> 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 |

+------+---------+-----------+------+

1. rows in set (0.00 sec)
2. Write a command that puts the following values, in their given order, into the salespeople table: city – San Jose, name – Blanco, comm – NULL, cnum – 1100.

mysql> insert into salespeople (snum , sname , city ) values (1100,'Blanco','San Jose');

Query OK, 1 row affected (0.26 sec)

mysql> 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)

mysql> select \* from customers;

+------+----------+----------+--------+------+

| Cnum | Cname | City | Rating | Snum |

+------+----------+----------+--------+------+

| 2001 | Hoffman | Rome | 100 | 1001 |

| 2002 | Giovanni | Rome | 200 | 1003 |

| 2003 | Liu | San Jose | 200 | 1002 |

| 2004 | Grass | Berlin | 300 | 1002 |

| 2006 | Clemens | London | 100 | 1001 |

| 2008 | Cisneros | San Jose | 300 | 1007 |

| 2007 | Persia | Rome | 100 | 1004 |

+------+----------+----------+--------+------+

1. rows in set (0.00 sec)
2. Write a command that increases the rating of all customers in Rome by 100.

mysql> update customers set rating=rating + 100 where city='rome';

Query OK, 3 rows affected (0.02 sec)

Rows matched: 3 Changed: 3 Warnings: 0

mysql> select \* from customers;

+------+----------+----------+--------+------+

| Cnum | Cname | City | Rating | Snum |

+------+----------+----------+--------+------+

| 2001 | Hoffman | Rome | 200 | 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 | Persia | Rome | 200 | 1004 |

+------+----------+----------+--------+------+

1. rows in set (0.00 sec)
2. Salesperson Serres has left the company. Assign her customers to Motika.

mysql> 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)

mysql> UPDATE customers

-> SET snum = (SELECT snum FROM salespeople WHERE sname = 'Motika')

-> WHERE snum = (SELECT snum FROM salespeople WHERE sname = 'Serres');

Query OK, 2 rows affected (0.39 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from customers;

+------+----------+----------+--------+------+

| Cnum | Cname | City | Rating | Snum |

+------+----------+----------+--------+------+

| 2001 | Hoffman | Rome | 200 | 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 | Persia | Rome | 200 | 1004 |

+------+----------+----------+--------+------+

7 rows in set (0.00 sec)

mysql> 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)

**Assignment 15**

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 multicast as (Select sname , snum from salespeople where snum in (select snum from customers group by snum having count(cnum)>1));

select \* from multicast;

+--------+------+

| sname | snum |

+--------+------+

| Peel | 1001 |

| Motika | 1004 |

+--------+------+

2 rows in set (0.00 sec)

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

select \* from customers;

+------+----------+----------+--------+------+

| Cnum | Cname | City | Rating | Snum |

+------+----------+----------+--------+------+

| 2001 | Hoffman | Rome | 200 | 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 | Persia | Rome | 200 | 1004 |

+------+----------+----------+--------+------+

update salespeople set comm=comm\*1.2 where snum in (select snum from orders group by snum having sum(amt) > 3000

);

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 |

| 1100 | Blanco | San Jose | NULL |