Assignment –4 **Introducing Relational Databases**

1. **Write a select command that produces the order number, amount, and date for all rows in the Orders table.**

```
W2_93033_Anupam>select Onum,Amt,Odate from Orders;
+------+---------+------------+
| Onum | Amt     | Odate      |
+------+---------+------------+
| 3001 |   18.69 | 1990-10-03 |
| 3003 |  767.19 | 1990-10-03 |
| 3002 | 1900.10 | 1990-10-03 |
| 3005 | 5160.45 | 1990-10-03 |
| 3006 | 1098.16 | 1990-10-03 |
| 3009 | 1713.23 | 1990-10-04 |
| 3007 |   75.75 | 1990-10-05 |
| 3008 | 4723.00 | 1990-10-05 |
| 3010 | 1309.95 | 1990-10-06 |
| 3011 | 9891.88 | 1990-10-06 |
+------+---------+------------+
10 rows in set (0.00 sec)
```

2) Write a query that produces all rows from the Customers table for which the salesperson's number is 1001.

```
10 rows in set (0.00 sec)

W2_93033_Anupam>select * from Customers;
+------+----------+-----------+--------+------+
| Cnum | Cname    | City      | Rating | Snum |
+------+----------+-----------+--------+------+
| 2001 | Hoffman  | London    |    100 | 1001 |
| 2002 | Giovanni | Rome      |    200 | 1003 |
| 2003 | Liu      | San Jhose |    200 | 1002 |
| 2004 | Grass    | Berelin   |    300 | 1002 |
| 2006 | Clemens  | London    |    100 | 1001 |
| 2008 | Cisneros | San Jose  |    300 | 1007 |
| 2007 | Pereira  | Rome      |    100 | 1004 |
+------+----------+-----------+--------+------+
7 rows in set (0.00 sec)

W2_93033_Anupam>select * from Customers
    -> where Snum=1001;
+------+---------+--------+--------+------+
| Cnum | Cname   | City   | Rating | Snum |
+------+---------+--------+--------+------+
| 2001 | Hoffman | London |    100 | 1001 |
| 2006 | Clemens | London |    100 | 1001 |
+------+---------+--------+--------+------+
2 rows in set (0.00 sec)

W2_93033_Anupam>
```

3) Write a query that displays the Salespeople table with the columns in the following order: city, sname, snum, comm.

Assignment –4 **Introducing Relational Databases**

```
W2_93033_Anupam>select * from SalesPeople;
+------+---------+-----------+------+
| Snum | Sname   | City      | Comm |
+------+---------+-----------+------+
| 1001 | Peel    | London    | 0.12 |
| 1002 | Serres  | San Jhose | 0.13 |
| 1004 | Motika  | London    | 0.11 |
| 1007 | Rifkin  | Barcelona | 0.15 |
| 1003 | Axelrod | New York  | 0.10 |
+------+---------+-----------+------+
5 rows in set (0.01 sec)

W2_93033_Anupam>select  City,Sname,Snum,Comm from SalesPeople;
+-----------+---------+------+------+
| City      | Sname   | Snum | Comm |
+-----------+---------+------+------+
| London    | Peel    | 1001 | 0.12 |
| San Jhose | Serres  | 1002 | 0.13 |
| London    | Motika  | 1004 | 0.11 |
| Barcelona | Rifkin  | 1007 | 0.15 |
| New York  | Axelrod | 1003 | 0.10 |
+-----------+---------+------+------+
5 rows in set (0.00 sec)
```

4**) Write a select command that produces the rating followed by the name of each customer in San Jose**

```
W2_93033_Anupam>select Rating,Cname from Customers where city ='San Jhose';
+--------+-------+
| Rating | Cname |
+--------+-------+
|    200 | Liu   |
+--------+-------+
1 row in set (0.00 sec)
```

```
W2_93033_Anupam>select * from Customers;
+------+----------+-----------+--------+------+
| Cnum | Cname    | City      | Rating | Snum |
+------+----------+-----------+--------+------+
| 2001 | Hoffman  | London    |    100 | 1001 |
| 2002 | Giovanni | Rome      |    200 | 1003 |
| 2003 | Liu      | San Jhose |    200 | 1002 |
| 2004 | Grass    | Berelin   |    300 | 1002 |
| 2006 | Clemens  | London    |    100 | 1001 |
| 2008 | Cisneros | San Jose  |    300 | 1007 |
| 2007 | Pereira  | Rome      |    100 | 1004 |
+------+----------+-----------+--------+------+
7 rows in set (0.00 sec)
```

5) Write a query that will produce the snum values of all salespeople (suppress the duplicates) with orders in the Orders table.

```
1 row in set (0.00 sec)

W2_93033_Anupam>select * from Orders;
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 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 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 |   75.75 | 1990-10-05 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+------+---------+------------+------+------+
10 rows in set (0.00 sec)
```

```
    -> where Snum distinct^C
W2_93033_Anupam>select distinct Snum
    -> from Orders;
+------+
| Snum |
+------+
| 1007 |
| 1001 |
| 1004 |
| 1002 |
| 1003 |
+------+
5 rows in set (0.01 sec)
```