

## Assignment –4

### Retrieving Information from Tables

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

➔ `mysql> select Onum, Amt, Odate from ORDERS;`

```
mysql> 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 | 1990-10-04 |
| 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.

➔ `mysql> select * from CUSTOMERS where Snum = 1001`

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

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

➔ `mysql> select City, Sname, Snum, Comm from Salespeople;`

```
mysql> select City, Sname, Snum, Comm from Salespeople;
+-----+-----+-----+-----+
| City   | Sname  | Snum | Comm |
+-----+-----+-----+-----+
| London | Peel   | 1001 | 0.12 |
| San Jose | 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.

➔ mysql> select Rating, Cnum from CUSTOMERS where City = 'San Jose';

```
mysql> select Rating, Cnum from CUSTOMERS where City = 'San Jose';
+-----+-----+
| Rating | Cnum |
+-----+-----+
|      200 | 2003 |
|      300 | 2008 |
+-----+-----+
2 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.

➔ mysql> select distinct Snum from Salespeople where Snum in (select Snum from ORDERS);

```
mysql> select distinct Snum from Salespeople where Snum in (select Snum from ORDERS);
+-----+
| Snum |
+-----+
| 1001 |
| 1002 |
| 1004 |
| 1007 |
| 1003 |
+-----+
5 rows in set (0.01 sec)
```