

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.

Ans:

```
mysql> insert into orders
-> values
-> (3001 , '18.69' , '1990-10-03' , 2008 , 1007);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into orders
-> values
-> (3003 , 767.19 , '1990-10-03' , 2001 , 1001);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from orders;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select Onum,Amt,Odate from orders;
+-----+-----+-----+
| Onum | Amt   | Odate   |
+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 |
| 3003 | 767.19 | 1990-10-03 |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into orders
```

```
-> values
```

```
-> (3003 , 767.19 , '1990-10-03' , 2001 , 1001); ← date must be in yyyy-mm-dd
```

```
mysql> select Onum,Amt,Odate from orders;
```

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

Ans:

```
mysql> select * from customers
```

```
-> where Snum=1001;
```

```
mysql>
mysql> 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)
```

```
mysql> select * from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2006 | Clemens | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 200    | 1003 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select * from salespeople;
+-----+-----+-----+-----+
| Snum | Sname   | City       | Comm |
+-----+-----+-----+-----+
| 1001 | Peel    | London     | 0.12 |
| 1003 | Axelrod | New York   | 0.1   |
| 1002 | Serres  | San Jose   | 0.13 |
| 1004 | Motika  | London     | 0.11 |
| 1007 | Rifkin  | Barcelona  | 0.15 |
+-----+-----+-----+-----+
```

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

Ans:

mysql> select city,sname,snum,comm from salespeople;

```
mysql> select * from salespeople;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1003	Axelrod	New York	0.1
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15

5 rows in set (0.00 sec)


```
mysql> select city,sname,snum,comm from salespeople;
```

city	sname	snum	comm
London	Peel	1001	0.12
New York	Axelrod	1003	0.1
San Jose	Serres	1002	0.13
London	Motika	1004	0.11
Barcelona	Rifkin	1007	0.15

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

Ans:

The phrase "a followed by b" means that ****a**** comes first, and then ****b**** comes next, in that specific order.

For example, in the context of a query like:

```
SELECT rating, cname  
FROM CUSTOMERS  
WHERE city = 'San Jose';
```

```
mysql>
mysql> SELECT rating, cname from customers
      -> where city= 'London';

+-----+-----+
| rating | cname |
+-----+-----+
|    100 | Hoffman |
|    100 | Clemens |
+-----+-----+
```

The result will display **rating** first, followed by **name** in the output. So, "rating followed by name" means that the `rating` column will appear before the `name` column in the results.

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

Ans:

SALES PEOPLE

SNUM	SNAME	CITY	COMM
1001	Peel	London	.12
1002	Serres	San Jose	.13
1004	Motika	London	.11
1007	Rifkin	Barcelona	.15
1003	Axelrod	New York	.10

ORDERS

ONUM	AMT	ODATE	CNUM	SNUM
3001	18.69	03-OCT-1990	2008	1007
3003	767.19	03- OCT -1990	2001	1001
3002	1900.10	03- OCT -1990	2007	1004
3005	5160.45	03- OCT -1990	2003	1002
3006	1098.16	03- OCT -1990	2008	1007
3009	1713.23	04- OCT -1990	2002	1003
3007	75.75	04- OCT -1990	2004	1002
3008	4723.00	05- OCT -1990	2006	1001
3010	1309.95	06- OCT -1990	2004	1002
3011	9891.88	06- OCT -1990	2006	1001

Ans:

```
mysql> SELECT DISTINCT snum  
-> FROM ORDERS;
```

```
mysql> SELECT DISTINCT snum  
-> FROM ORDERS;
```

snum
1007
1001