

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 :

SELECT Onum, Amt, Odate FROM Orders;

```
mysql> SELECT Onum, Amt, Odate FROM Orders;
+-----+-----+-----+
| Onum | Amt   | Odate   |
+-----+-----+-----+
| 1001 | 250.50 | 2023-01-15 |
| 1002 | 500.75 | 2023-02-10 |
| 1003 | 300.00 | 2023-03-05 |
| 1004 | 450.90 | 2023-04-12 |
| 1005 | 700.60 | 2023-05-22 |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

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

Ans:

SELECT * FROM Orders WHERE Snum = 1001;

```
mysql> SELECT * FROM Orders WHERE Snum = 101;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 1001 | 250.50 | 2023-01-15 | 3001 | 101 |
| 1004 | 450.90 | 2023-04-12 | 3004 | 101 |
+-----+-----+-----+-----+-----+
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.

Ans:

```
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 (0.01 sec)
```

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

Ans:

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

```
mysql> SELECT rating, cname FROM Customers WHERE city = 'San Jose';  
+-----+-----+  
| rating | cname  |  
+-----+-----+  
| 200    | Liu    |  
| 300    | Cisneros |  
+-----+-----+  
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.

Ans:

SELECT DISTINCT Snum FROM Orders;

```
mysql> SELECT DISTINCT Snum FROM Orders;
+-----+
| Snum |
+-----+
| 101  |
| 102  |
| 103  |
| 104  |
+-----+
4 rows in set (0.00 sec)
```

