

Assignment –5

Relational and Logical Operators.

- 1) Write a query that will give you all orders for more than Rs. 1,000.

ANS:- mysql> select * from ORDERS WHERE Amt>1000;

```
mysql> select * from ORDERS WHERE Amt>1000;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 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 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)
```

- 2) Write a query that will give you the names and cities of all salespeople in London with a commission above .10.

ANS: mysql> select * from salespeople WHERE Comm> .10;

```
mysql> select * from salespeople WHERE Comm> .10;
+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

- 3) Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

ANS:- mysql> SELECT * FROM Customers WHERE rating > 100 OR city = 'Rome';

```
mysql> SELECT * FROM Customers WHERE rating > 100 OR city = 'Rome';
+-----+-----+-----+-----+-----+
| Cnum | Cname | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2003 | Liu   | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin  | 300 | 1002 |
| 2007 | Pereira | Rome   | 100 | 1004 |
| 2002 | Giovanni | Rome   | 200 | 1003 |
| 2008 | Cisneros | San jose | 300 | 1007 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

4) What will be the output from the following query? Select * from Orders where (amt < 1000 OR NOT (odate = '1990-10-03' AND cnum > 2003));

5) What will be the output of the following query? Select * from Orders where NOT ((odate = '1990-10-03' OR snum >1006) AND amt >= 1500);

6) What is a simpler way to write this query? Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm <.14);

```
mysql> Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm <.14);
```

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

```
5 rows in set (0.00 sec)
```