

# Assignment no:- 5

Q1) Write a query that will give you all orders for more than Rs. 1,000.

```
mananshinde — mysql -u W1_92836_Manan -p — 80x18
where Amt>1000' at line 1
W1_92836_Manan>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 (0.001 sec)

W1_92836_Manan>
```

Q2) Write a query that will give you the names and cities of all salespeople in London with a commission above .10

```
mananshinde — mysql -u W1_92836_Manan -p — 80x17
W1_92836_Manan>select *
-> from customers
-> where rating > 100
-> or city = 'Rome';
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City      | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome      | 200    | 1003 |
| 2003 | Liu      | San Jose  | 200    | 1002 |
| 2004 | Grass    | Berlin    | 300    | 1002 |
| 2008 | Cisneros | San Jose  | 300    | 1007 |
| 2007 | Pereira  | Rome      | 100    | 1004 |
+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

W1_92836_Manan>
```

Q3) Write a query on the Customers table whose output will exclude all customers with a rating  $\leq 100$ , unless they are located in Rome.

```
mananshinde — mysql -u W1_92836_Manan -p — 80x17
W1_92836_Manan>select *
-> from customers
-> where rating > 100
-> or city = 'Rome';
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

W1_92836_Manan>
```

Q4) What will be the output from the following query?

Select \* from Orders  
where (amt < 1000 OR  
NOT (odate = '1990-10-03'  
AND cnum > 2003));

```
mananshinde — mysql -u W1_92836_Manan -p — 80x17
W1_92836_Manan>select * from orders
-> where (amt < 1000 or not(odate = '1990-10-03' and cnum > 2003));
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 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 |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

W1_92836_Manan>
```

Q5) What will be the output of the following query?

Select \* from Orders

where NOT ((odate = '1990-10-03' OR snum  
>1006) AND amt >= 1500);

```
mananshinde - mysql -u W1_92836_Manana -p - 105x18
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near ')' at line 2
W1_92836_Manana>select * from orders where not ((odate = '1990-10-03' or snum > 1006) and amt >= 1500);
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 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 |
+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

W1_92836_Manana>
```

Q6) What is a simpler way to write this query?

Select snum, sname, city, comm From Salespeople

where (comm > .12 OR comm <.14);

**Ans:-**

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm BETWEEN .12 AND .14;