

Assignment 5

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

```
mysql> select * from Orders where amt>1000;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 1200.50 | 2025-04-01 | 2001 | 1001 |
| 3002 | 2350.00 | 2025-04-02 | 2002 | 1003 |
| 3003 | 1899.75 | 2025-04-03 | 2003 | 1002 |
| 3005 | 4500.00 | 2025-04-05 | 2005 | 1007 |
| 3006 | 2100.00 | 2025-04-06 | 2006 | 1002 |
| 3007 | 1800.25 | 2025-04-07 | 2007 | 1001 |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

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

```
+-----+-----+
| sname | city |
+-----+-----+
| Peel  | London |
| Motika | London |
+-----+-----+
2 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 New York.

```
mysql> select * from customers where rating !=100 or city = 'New York'
```

| cnum | cname | city | rating | snum |
|------|----------|-----------|--------|------|
| 2002 | Mike | San Jose | 200 | 1003 |
| 2003 | Emma | New York | 300 | 1002 |
| 2004 | Sophia | London | 150 | 1004 |
| 2005 | Olivia | Barcelona | 250 | 1007 |
| 2006 | Liam | New York | 100 | 1002 |
| 2007 | James | London | 180 | 1001 |
| 2008 | Isabella | Barcelona | 220 | 1007 |

```
7 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));

```
mysql> SELECT * FROM Orders
-> WHERE (amt < 1000 OR
-> NOT (odate = '1990-10-03' AND cnum > 2003));
```

| onum | amt | odate | cnum | snum |
|------|---------|------------|------|------|
| 3001 | 1200.50 | 2025-04-01 | 2001 | 1001 |
| 3002 | 2350.00 | 2025-04-02 | 2002 | 1003 |
| 3003 | 1899.75 | 2025-04-03 | 2003 | 1002 |
| 3004 | 975.60 | 2025-04-04 | 2004 | 1004 |
| 3005 | 4500.00 | 2025-04-05 | 2005 | 1007 |
| 3006 | 2100.00 | 2025-04-06 | 2006 | 1002 |
| 3007 | 1800.25 | 2025-04-07 | 2007 | 1001 |
| 3008 | 650.40 | 2025-04-08 | 2008 | 1007 |

```
8 rows in set (0.01 sec)
```

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);

```
mysql> Select * from Orders
      -> where NOT ((odate = '1990-10-03' OR snum >1006)
      -> AND amt >= 1500);
```

| onum | amt | odate | cnum | snum |
|------|---------|------------|------|------|
| 3001 | 1200.50 | 2025-04-01 | 2001 | 1001 |
| 3002 | 2350.00 | 2025-04-02 | 2002 | 1003 |
| 3003 | 1899.75 | 2025-04-03 | 2003 | 1002 |
| 3004 | 975.60 | 2025-04-04 | 2004 | 1004 |
| 3006 | 2100.00 | 2025-04-06 | 2006 | 1002 |
| 3007 | 1800.25 | 2025-04-07 | 2007 | 1001 |
| 3008 | 650.40 | 2025-04-08 | 2008 | 1007 |

7 rows in set (0.01 sec)

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 BETWEEN 0.12 AND 0.14;
```

| snum | sname | city | comm |
|------|--------|----------|------|
| 1002 | Serres | San Jose | 0.13 |

1 row in set (0.01 sec)