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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 |
+-------+---------+------------+------+------+
|  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 (0.00 sec)
```

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

```
mysql> select sname, city from salespeople where city= 'London' and comm>0.10;
+--------+--------+
| sname  | city   |
+--------+--------+
| Peel   | London |
| Motika | London |
+--------+--------+
2 rows in set (0.01 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.

```
mysql> select * from customers where rating> 100 and city= 'Rome';
+------+----------+------+--------+------+
| Cnum | Cname    | City | Rating | Snum |
+------+----------+------+--------+------+
| 2002 | Giovanni | Rome |    200 | 1003 |
+------+----------+------+--------+------+
1 row 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 |   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 (0.00 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);
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 '?
1990-10-03? OR snum >1006) AND amt >= 1500)' at line 1
mysql>  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 (0.05 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 * from salespeople where comm not between 0.12 and 0.14;
+-------+----------+-----------+-------+
| Snum  | Sname    | City      | Comm  |
+-------+----------+-----------+-------+
|  1001 | Peel     | London    | 0.12  |
|  1004 | Motika   | London    | 0.11  |
|  1007 | Rifkin   | Barcelona | 0.15  |
|  1003 | Axelrod  | New York  | 0.10  |
+-------+----------+-----------+-------+
4 rows in set (0.01 sec)
```