Assignment 5

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

```
KD4-86647-aman>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 0.10.

```
KD4-86647-aman>select *from salesperson
    -> where City='LONDON' and Comm>0.10;
+------+-------+--------+------+
| Snum | Sname | City   | Comm |
+------+-------+--------+------+
| 1001 | PEEL  | LONDON | 0.12 |
| 1004 | MOTIKA| LONDON | 0.11 |
+------+-------+--------+------+
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 Rome.

```
KD4-86647-aman>select *from customers
    -> where city='rome' or rating !=100 ;
+-------+----------+----------+--------+-------+
| 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 (0.00 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));

```
KD4-86647-aman>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);

```
KD4-86647-aman>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 (0.00 sec)
```

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

```
KD4-86647-aman>select *from salesperson;
+-------+---------+-----------+-------+
| 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)
```