

Assignment – 5

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Roll no. - 86633

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

SELECT * FROM Orders WHERE AMT > 1000;

```
KD1-Yashraj-86633@>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 | 1990-10-04 | 2006 | 1001 |
| 3011 | 9891.88 | 1990-10-04 | 2006 | 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.

SELECT * FROM Salespeople WHERE City = 'London' and COMM > 0.10;

```
KD1-Yashraj-86633@>SELECT * FROM Salespeople 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.

SELECT * FROM Customers WHERE Rating > 100 or City ='Rome' ;

```
KD1-Yashraj-86633@>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 (0.00 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));

```
KD1-Yashraj-86633@> 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 | 1990-10-04 | 2006 | 1001 |
| 3010 | 309.95 | 1990-10-04 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-04 | 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);

```
KD1-Yashraj-86633@>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 | 1990-10-04 | 2006 | 1001 |
| 3010 | 309.95 | 1990-10-04 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-04 | 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);

Ans: SELECT snum, sname, city, comm FROM Salespeople;