

SQL Assignment – 5

Relational and Logical Operators.

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

```
W3_84107_Aboli>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.

```
W3_84107_Aboli>select Sname, City from SALEPEOPLE where Comm > 0.10 and City='London';
+-----+-----+
| Sname | City  |
+-----+-----+
| Peel  | London |
| Motika | London |
+-----+-----+
2 rows in set (0.00 sec)

W3_84107_Aboli>
```

3) Write a query on the Customers table whose output

will exclude all customers with a rating ≤ 100 , unless

```
W3_84107_Aboli>select * from CUSTOMERS where Rating > 100 And City != 'Roma';
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2003 | Liu     | San Jose | 200    | 1002 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

W3_84107_Aboli>
```

they are located in Rome.

=====

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));

```
Error 1170 (42002): Table 'jordan.orders' doesn't exist
W3_84107_Aboli>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);

```

W3_84107_Aboli>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);

```

W3_84107_Aboli>select Snum,Sname,City ,Comm from SALEPEOPLE where (Comm > 0.12 OR Comm < 0.14);
+-----+-----+-----+-----+
| 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)

W3_84107_Aboli>

```