

Assignment-5

Relational and Logical Operators.

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

```
ERROR 1054 (42S22): Unknown column 'Sname' in 'where'
W2_84069_anup>select *from orders where Amt>1000;
+-----+-----+-----+-----+-----+
| Onum | Amt      | Odate      | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3002 | 1900.10  | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.00  | 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.

```
W2_84069_anup>select Sname, City from salespeople where City ='London' and Comm>.10;
+-----+-----+
| Sname | City |
+-----+-----+
| Peel  | London |
| Motika | London |
| Peel  | London |
| Motika | London |
+-----+-----+
4 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.

```
W2_84069_anup>select *from customers where City='Rome' and Rating <=100;
+-----+-----+-----+-----+-----+
| Cnum | Cname    | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2007 | Pereira | Rome | 100    | 1004 |
+-----+-----+-----+-----+-----+
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));

```
W2_84069_anup>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	5160.00	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 snu >1006) AND amt >= 1500);

```
W2_84069_anup>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);

```
W2_84069_anup>select Snum,Sname,City,Comm from salespeople where(Comm >.12 OR Comm<.14);
```

```
+-----+-----+-----+-----+
| Snum | Sname  | City   | Comm |
+-----+-----+-----+-----+
| 1001 | Peel   | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelone | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
| 1001 | Peel   | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelone | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```