

Assignment –5 Relational and Logical

Operators.

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

```
select * from orders where Amt>1000;
```

```
D3_92972_Shubham>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 (0.12 sec)

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

```
Select Sname ,city,Comm from salespeople where city='London' and comm>0.1;
```

```
D3_92972_Shubham>Select Sname ,city,Comm from salespeople where city='London' and comm>0.1;
```

Sname	city	Comm
Peel	London	0.12
Motika	London	0.11

2 rows in set (0.00 sec)

```
D3_92972_Shubham>
```

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 city= 'Rome' and Rating<=100;

```
D3_92972_Shubham>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)

D3_92972_Shubham>
```

4) What will be the output from the following query?

Select * from Orders

where (amt < 1000.0 OR

NOT (Odate = '1990-10-03'

AND Cnum > 2003));

```
D3_92972_Shubham>Select * from Orders
-> where (amt < 1000.0 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)

D3_92972_Shubham>
```

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);

```
D3_92972_Shubham>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, 1 warning (0.01 sec)

D3_92972_Shubham>

6) What is a simpler way to write this query?

Select snum, sname, city, comm From Salespeople

where (comm > .12 OR comm <.14);

Select snum, sname, city, comm From Salespeople

where comm between 0.12 and 0.14;

```
D3_92972_Shubham>Select snum, sname, city, comm From Salespeople
-> where comm between 0.12 and 0.14;
```

snum	sname	city	comm
1002	Serres	San Jose	0.13

1 row in set (0.00 sec)

D3_92972_Shubham>