

## Assignment -5 Relational and Logical Operators.

database ass1;

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

=>

```
mysql> select * from orders where amt>1000;
```

Onum	Amt	Odate	Cnum	Snum
3002	1900.00	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

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

=>

```
mysql> select sname , city from salespeople where city="london" and comm>.10;
```

sname	city
Peel	London

3) Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

=>

```
mysql> select * from customers where rating<=100 and city="rome";
```

Cnum	Cname	City	Rating	Snum
2007	Pereira	Rome	100	1004

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));
```

=>

```
mysql> 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

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);
```

=>

```
mysql> 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

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

```
Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm <.14);
```

=>

```
mysql> Select * 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	Refkit	Barcelona	0.15
1003	Axelrod	New York	0.10