

SQL Assignment 5

Q.1 Write a query that will give you all orders for more than Rs 1000.

```
D5_Shaurya_83785>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)
```

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

```
D5_Shaurya_83785>select SNAME, CITY from SALESPEOPLE where COMM > 0.10;
+-----+-----+
| SNAME | CITY      |
+-----+-----+
| Peel  | London    |
| Serres| San Jose  |
| Motika| London    |
| Rifkin| Barcelona |
+-----+-----+
4 rows in set (0.00 sec)
```

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

```
D5_Shaurya_83785>select * from CUSTOMERS where RATING > 100 or CITY = 'Rome';
+-----+-----+-----+-----+-----+
| CNUM | CNAME      | CITY      | RATING | SNUM |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni   | Rome      | 200    | 1003 |
| 2003 | Liu        | San Jose  | 200    | 1003 |
| 2004 | Grass      | Berlin    | 300    | 1002 |
| 2008 | Clisneros  | San Jose  | 300    | 1007 |
| 2007 | Pereira    | Rome      | 100    | 1004 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Q.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));

```
D5_Shaurya_83785>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)

Q.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);

```
D5_Shaurya_83785>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)

Q.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 * from SALESPeOPLE;

//as SNUM, SNAME, CITY and COMM are the only coumns in table SALESPeOPLE that's why we took * and the OR condition inside the bracket all the numbers satisfy the condition.

