

## Assignment –6

- 1) Write two different queries that would produce all orders taken on October 3rd or 4th, 1990.

```
W3_93086_Harshal>select * from orders
-> where odate = '1990-10-03' OR ODATE= '1990-10-04';
```

Onum	Amt	Odate	Cnum	Snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
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
3007	75.75	1990-10-04	2004	1002

```
7 rows in set (0.00 sec)

W3_93086_Harshal>
```

- 2) Write a query that selects all of the customers serviced by Peel or Motika. (Hint: the snum field relates the two tables to one another).

```
--> WHERE SNUM = (SELECT SNUM FROM SALESPEOPLE WHERE SNAME IN ('Motika','Peel'));
ERROR 1242 (21000): Subquery returns more than 1 row
W3_93086_Harshal>SELECT * FROM CUSTOMERS
-->
--> ;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>SELECT * FROM SALESPEOPLE
--> WHERE SNAME IN ('MOTIKA', 'PEEL');
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

W3_93086_Harshal>SELECT * FROM CUSTOMERS
--> WHERE SNUM IN ('1001','1004')
--> ;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2006 | Clemens | London | 100 | 1001 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

W3_93086_Harshal>
```

- 3) Write a query that will produce all the customers whose names begin with a letter from 'A' to 'G'.

```
WHERE SUBSTRING(CNAME, 1, 1) BETWEEN 'A' AND 'G' --> line 2
W3_93086_Harshal>SELECT * FROM CUSTOMERS
-> WHERE SUBSTRING(CNAME, 1, 1) BETWEEN 'A' AND 'G';
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2004 | Grass    | Berlin | 300    | 1002 |
| 2006 | Clemens  | London | 100    | 1001 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

W3_93086_Harshal>
```

- 4) Write a query that selects all customers whose names begin with the letter 'C'.

```
W3_93086_Harshal>SELECT * FROM CUSTOMERS
-> WHERE CNAME LIKE 'C%';
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2006 | Clemens | London | 100    | 1001 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

W3_93086_Harshal>
```

5) Write a query that selects all orders except those with zeroes or NULLs in the amt field.

```
WHERE AMT != 0 OR AMT = NULL' at line 1
W3_93086_Harshal>SELECT * FROM ORDERS
-> WHERE AMT != 0 OR AMT = NULL;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 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 |
| 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 |
+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

W3_93086_Harshal>
```