

## Assignment 6

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

```
mysql> select * from orders where odate in('1990-10-03','1990-10-04');
+-----+-----+-----+-----+-----+
| onum | amt   | odate   | cnum | snum |
+-----+-----+-----+-----+-----+
| 3001 | 1200.50 | 1990-10-03 | 2001 | 1001 |
| 3002 | 2350.00 | 1990-10-04 | 2002 | 1003 |
| 3005 | 4500.00 | 1990-10-03 | 2005 | 1002 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from orders where odate = '1990-10-04' or odate = '1990-10-03';
+-----+-----+-----+-----+-----+
| onum | amt   | odate   | cnum | snum |
+-----+-----+-----+-----+-----+
| 3001 | 1200.50 | 1990-10-03 | 2001 | 1001 |
| 3002 | 2350.00 | 1990-10-04 | 2002 | 1003 |
| 3005 | 4500.00 | 1990-10-03 | 2005 | 1002 |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

- 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).

```
mysql> SELECT * FROM Customers
-> WHERE snum IN (
->     SELECT snum FROM Salespeople
->     WHERE sname IN ('Peel', 'Motika')
-> );
+-----+-----+-----+-----+-----+
| cnum | cname | city      | rating | snum |
+-----+-----+-----+-----+-----+
| 2001 | Allen | London    | 100    | 1001 |
| 2004 | Green | Paris     | 250    | 1001 |
| 2003 | Clark | New York  | 150    | 1004 |
| 2006 | Carl  | San Jose  | 180    | 1004 |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

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

```
mysql> SELECT * FROM Customers
-> WHERE cname >= 'A' AND cname < 'H';
```

cnum	cname	city	rating	snum
2001	Allen	London	100	1001
2002	Brown	Barcelona	200	1003
2003	Clark	New York	150	1004
2004	Green	Paris	250	1001
2005	David	Rome	300	1002
2006	Carl	San Jose	180	1004
2007	Gary	Madrid	220	1007

7 rows in set (0.00 sec)

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

```
mysql> select * from customers where cname like 'C%';
```

cnum	cname	city	rating	snum
2003	Clark	New York	150	1004
2006	Carl	San Jose	180	1004

2 rows in set (0.01 sec)

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

```
mysql> SELECT * FROM Orders
-> WHERE amt IS NOT NULL AND amt <> 0;
```

onum	amt	odate	cnum	snum
3001	1200.50	1990-10-03	2001	1001
3002	2350.00	1990-10-04	2002	1003
3005	4500.00	1990-10-03	2005	1002
3006	1900.75	1990-10-07	2006	1004

4 rows in set (0.00 sec)