DBT Assignment-6

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

select * from orders
where odate between '1990-10-03' and '1990-10-04';

select * from orders
where odate in ('1990-10-03', '1990-10-04');

```
mysql> select * from orders
    -> where odate between '1990-10-03' and '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 |
+-------+---------+------------+------+------+
```

```
mysql> select * from orders
    -> where odate in ('1990-10-03', '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 |
+-------+---------+------------+------+------+
```

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).

select c.* from customers c
join salespeople s on c.snum = s.snum
where s.sname in ('Peel', 'Motika');

```
mysql> select c.* from customers c
    -> join salespeople s on c.snum = s.snum
    -> where s.sname in ('Peel', 'Motika');
+------+---------+--------+--------+------+
| Cnum | Cname   | City   | Rating | Snum |
+------+---------+--------+--------+------+
| 2001 | Hoffman | London |    100 | 1001 |
| 2006 | Clemens | London |    100 | 1001 |
| 2007 | Pereira | Rome   |    100 | 1004 |
+------+---------+--------+--------+------+
```

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

select * from customers
where cname >= 'A' and cname < 'H';

```
mysql> select * from customers
    -> where cname >= 'A' and cname < 'H';
+------+----------+----------+--------+------+
| 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. 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 |
+------+----------+----------+--------+------+
| 2006 | Clemens  | London   |    100 | 1001 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
```

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

select * from orders
where amt != null or amt != 0;

```
mysql> select * from orders
    -> where amt != null or amt != 0;
+-------+---------+------------+-------+-------+
| 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 |
+-------+---------+------------+-------+-------+
```