Lab Assingment-1

Using supplier database.

Tables are suppliers, customers, orders.

```
mysql> select * from suppliers;
+-------------+-------------------+-----------------+------------+
| supplier_id | supplier_name     | city            | state      |
+-------------+-------------------+-----------------+------------+
|         100 | Microsoft         | Redmond         | Washington |
|         200 | Google            | Mountain View   | California |
|         300 | Oracle            | Redwood City    | California |
|         400 | Kimberly-Clark    | Irving          | Texas      |
|         500 | Tyson Foods       | Springdale      | Arkansas   |
|         600 | SC Johnson        | Racine          | Wisconsin  |
|         700 | Dole Food Company | Westlake Village| California |
|         800 | Flowers Foods     | Thomasville     | Georgia    |
|         900 | Electronic Arts   | Redwood City    | California |
+-------------+-------------------+-----------------+------------+
9 rows in set (0.00 sec)

mysql> select * from customers;
+-------------+-----------+------------+-------------------+
| customer_id | last_name | first_name | favorite_website  |
+-------------+-----------+------------+-------------------+
|        4000 | Jackson   | Joe        | techonthenet.com  |
|        5000 | Smith     | Jane       | digminecraft.com  |
|        6000 | Ferguson  | Samantha   | bigactivities.com |
|        7000 | Reynolds  | Allen      | checkyourmath.com |
|        8000 | Anderson  | Paige      | NULL              |
|        9000 | Johnson   | Derek      | KLFSpro.com       |
+-------------+-----------+------------+-------------------+
6 rows in set (0.00 sec)

mysql> select * from orders;
+----------+-------------+------------+
| order_id | customer_id | order_date |
+----------+-------------+------------+
|        1 |        7000 | 2016-04-18 |
|        2 |        5000 | 2016-04-18 |
|        3 |        8000 | 2016-04-19 |
|        4 |        4000 | 2016-02-18 |
|        5 |        NULL | 2016-02-18 |
+----------+-------------+------------+
5 rows in set (0.02 sec)
```

1. display all suppliers who statys in state either in california or Texas or Arkansas.

```
mysql> select * from suppliers where state in('California','Texas','Arkansas');
+-------------+--------------------+------------------+------------+
| supplier_id | supplier_name      | city             | state      |
+-------------+--------------------+------------------+------------+
|         200 | Google             | Mountain View    | California |
|         300 | Oracle             | Redwood City     | California |
|         400 | Kimberly-Clark     | Irving           | Texas      |
|         500 | Tyson Foods        | Springdale       | Arkansas   |
|         700 | Dole Food Company  | Westlake Village | California |
|         900 | Electronic Arts    | Redwood City     | California |
+-------------+--------------------+------------------+------------+
6 rows in set (0.00 sec)

mysql>
```

2. find all suppliers with supplierid >=200 and <=700

```
700   at line 1
mysql> select * from suppliers where supplier_id between 200 and 700;
+-------------+--------------------+------------------+------------+
| supplier_id | supplier_name      | city             | state      |
+-------------+--------------------+------------------+------------+
|         200 | Google             | Mountain View    | California |
|         300 | Oracle             | Redwood City     | California |
|         400 | Kimberly-Clark     | Irving           | Texas      |
|         500 | Tyson Foods        | Springdale       | Arkansas   |
|         600 | SC Johnson         | Racine           | Wisconsin  |
|         700 | Dole Food Company  | Westlake Village | California |
+-------------+--------------------+------------------+------------+
6 rows in set (0.02 sec)
```

3. find all suppliers with supplierid not >=200 and not <=700

```
mysql> select * from suppliers where supplier_id not between 200 and 700;
+-------------+--------------------+--------------+------------+
| supplier_id | supplier_name      | city         | state      |
+-------------+--------------------+--------------+------------+
|         100 | Microsoft          | Redmond      | Washington |
|         800 | Flowers Foods      | Thomasville  | Georgia    |
|         900 | Electronic Arts    | Redwood City | California |
+-------------+--------------------+--------------+------------+
3 rows in set (0.00 sec)
```

4.list all suppliers who does not stay in Springdale

```
mysql> select * from suppliers where city != springdale;
ERROR 1054 (42S22): Unknown column 'springdale' in 'where clause'
mysql> select * from suppliers where city != 'springdale';
+-------------+-------------------+-----------------+------------+
| supplier_id | supplier_name     | city            | state      |
+-------------+-------------------+-----------------+------------+
|         100 | Microsoft         | Redmond         | Washington |
|         200 | Google            | Mountain View   | California |
|         300 | Oracle            | Redwood City    | California |
|         400 | Kimberly-Clark    | Irving          | Texas      |
|         600 | SC Johnson        | Racine          | Wisconsin  |
|         700 | Dole Food Company | Westlake Village| California |
|         800 | Flowers Foods     | Thomasville     | Georgia    |
|         900 | Electronic Arts   | Redwood City    | California |
+-------------+-------------------+-----------------+------------+
8 rows in set (0.01 sec)
```

5.find orderid and customerid for orders place on date 18-feb-16

```
mysql> select * from orders where order_date='2016-2-18';
+----------+-------------+------------+
| order_id | customer_id | order_date |
+----------+-------------+------------+
|        4 |        4000 | 2016-02-18 |
|        5 |        NULL | 2016-02-18 |
+----------+-------------+------------+
2 rows in set (0.01 sec)
```

6.find orderid and customerid for orders place on feb 2016

```
mysql> select * from orders where order_date between '2016-2-1' and '2016-2-29';
+----------+-------------+------------+
| order_id | customer_id | order_date |
+----------+-------------+------------+
|        4 |        4000 | 2016-02-18 |
|        5 |        NULL | 2016-02-18 |
+----------+-------------+------------+
2 rows in set (0.00 sec)
```

7.find all customers with name 'Reynolds', or Anderson

```
mysql> select * from customers where last_name in ('Reynolds','Anderson');
+-------------+-----------+------------+-------------------+
| customer_id | last_name | first_name | favorite_website  |
+-------------+-----------+------------+-------------------+
|        7000 | Reynolds  | Allen      | checkyourmath.com |
|        8000 | Anderson  | Paige      | NULL              |
+-------------+-----------+------------+-------------------+
2 rows in set (0.00 sec)
```

8. find all customers for whome favorite_website is not given

```
mysql> select * from customers where favorite_website is null;
+-------------+-----------+------------+------------------+
| customer_id | last_name | first_name | favorite_website |
+-------------+-----------+------------+------------------+
|        8000 | Anderson  | Paige      | NULL             |
+-------------+-----------+------------+------------------+
1 row in set (0.00 sec)
```

9. find all customers for whome favorite_website is given

```
mysql> select * from customers where favorite_website is not null;
+-------------+-----------+------------+-------------------+
| customer_id | last_name | first_name | favorite_website  |
+-------------+-----------+------------+-------------------+
|        4000 | Jackson   | Joe        | techonthenet.com  |
|        5000 | Smith     | Jane       | digminecraft.com  |
|        6000 | Ferguson  | Samantha   | bigactivities.com |
|        7000 | Reynolds  | Allen      | checkyourmath.com |
|        9000 | Johnson   | Derek      | KLFSpro.com       |
+-------------+-----------+------------+-------------------+
5 rows in set (0.00 sec)
```