Use the tables you used for Lab 1. For each question, turn in the **SQL statement** and the results.

You only allow one submission, so plan ahead!!!

Plan on spend 10 to 20 hours, or even more on this lab. Please ask questions.

2.4

Give two different approaches to get supplier names, SNO, and PNO for suppliers who do not supply parts supplied by S3. [Using a subquery and NOT EXISTS approach]

2.5

Get part numbers and supplier names for parts shipped by more than one supplier without using Having Count (\*) anywhere in your SQL statement. [Hint must use re-name to join a table with itself].

-- You may use the following SQL statement to verify your result because your SQL statement should have the same set of records

select distinct pNO, SName  
from s join sp on s.sno = sp.sno  
where pNO in (select PNO from SP group by PNO having count(\*) > 1);

2.6.

Get part numbers and names for parts supplied by all suppliers -- that is, list the PNO and Pname for part(s) shipped by every supplier. [ modify your database contents to test your query if necessary.]

2.7

[Do not even start this one unless you completely understand 2.6]

Get supplier numbers and names for suppliers who supply at least all those parts supplied by supplier S7.

2.8

Get the supplier number and name for the suppler that has the most shipment in terms of QTY. Your query should return one record. [Hint: research on using TOP for SQL Server or LIMIT for MySQL.].

2.9

Get the supplier numbers and names for suppliers that only ship red parts.

2.10

You may want to make a copy of your database before doing this one. In SQL Server, looking into Backing Up and Restore a database. The other approach is just to create a different table that stores the data of the table you will be doing the DELETE operation(s)

Remove the shipment records for S1 on P2. [Figure out which table].

Add the record back or restore the table.

You need to show two SQL statements. You need to show three screen dumps of the table you are modifying here, one before any change, one after the remove statement, one after the insert statement.

2.11

You may want to make a copy of your database.

Remove S3 from the database, that is, S3 will no longer exist in the database anywhere!

Figure out what to show me in terms of the screen dumps.