

2020 Lab – Practice for Final

1. Run the script **S_P_SP_Table_Setup.sql** to create and populate the tables
2. Familiarize yourself with the tables, their content and how they relate to one another
3. Write sql to accomplish the following:
 - a. Write the sql to create a view called S1 that displays the S# and the total amount of parts currently on order from supplier s1.
 - b. Write the sql to display the results using the view that was just created.
 - c. Write the sql to list the names of suppliers (ordered alphabetically) who are located in Paris and have a status higher than the average supplier status.
 - d. Write the sql to list the names of Suppliers that have supplied Red Screws.
 - e. Write the sql to list the name of the Part that weighs the most.
 - f. Write a new version of the definition of table S that requires all values in the STATUS column to be greater than 10 and the CITY must be one of the following: London, Paris, Athens, Rome.
 - g. Write the sql to add a new row to the Supplier table. SNAME is Price, S# is s8, STATUS is 10, CITY is Kingsport.
 - i. Given the constraints in the sql ddl that was to be written above, would the insertion be allowed?
 - ii. If not, why not?
 - iii. Would it cause any other changes in the database?
 - h. Write the sql to delete the row with s# = 'S1' from the S table.
 - i. Given the constraints in the sql ddl, would the delete succeed?
 - ii. If not, why not?
 - iii. Would it cause any other changes in the database?
 - i. Write the sql to delete the row with p# = 'P1' from the P table.
 - i. Given the constraints in the sql ddl, would the delete succeed?
 - ii. If not, why not?
 - iii. Would it cause any other changes in the database?
 - j. Write the sql to decrease by 10% the status of all rows in table S where the CITY value is Paris.
 - i. Given the constraints in the sql ddl, would this change be accepted by the system?
 - ii. If not, why not?
 - iii. Would it cause any other changes in the database?
 - k. Write the sql to add a new row to the SP table. S# is s5, P# is p5, QTY is 600.
 - i. Given the constraints in the sql ddl, would the insertion be allowed?
 - ii. If not, why not?
 - iii. Would it cause any other changes in the database?