Watch all videos before starting the homework.

Part I. Import to the DB from csv File

Instead of using sql statements to insert many rows into our table we can insert a lot of rows quickly via importing them from a file.

1. Create any table you want in the database. Note: Not related to the project and not from the example. Think about a table you think would be fun to create.
2. Add at least 10 rows to it using a CSV file. You can use Microsoft Excel but save as a Comma Separate Values .csv file (NOT CSV UTF-8 Comma Delimited). You can see a sample csv file in D2L under content > lecture notes.
    a. In phpmyadmin, click on the table name.
    b. Go to import
    c. Select choose file and browse to the file of your choice.
    d. Select CSV option under format (Note: Use CSV and not CSV using load data)

Part II. Create a Java Program to Connect with the DB

Go to the folder titled Java Program under the D2L assignments tab and do the following:

1. Modify the Java Program that's there to use **your** port number, database name (cs315_fall2020), username, and password (the default username is root the default password is root). You can find all of this information when clicking on Open WebStart Page.
2. Install a jar file with special libraries called Connector/J. To do so, you will need to:
    a) Download it here from Oracle: http://dev.mysql.com/downloads/connector/j/ (scroll down the page) and save it to a file location of your choice
    b) Go to jGRASP and select Settings-> Path/ClassPath -> Workspace. In the Classpath tab select new and browse to the location of the jar file and select the jar file.
    c) Compile and run the java code and make sure it runs without errors.
    d) For more details, check tutorial here: http://dev.mysql.com/doc/connector-j/5.1/en/connector-j-usagenotes-connect-drivermanager.html
3. My videos as well as this tutorial, http://www.tutorialspoint.com/jdbc/jdbc-insert-records.htm, can show you how to INSERT and SELECT.
    a) Add code to insert rows into the table created above in Part 1. Have it user-friendly and interactive where the user gets to specify the values inserted into the database.
    b) Add code to retrieve either all or some the rows/columns in the table. Have it look nice and make sense.

4. Do some additional things. Have fun with the program - make it original. You know Java!

Part III. Submission

Zip a folder which contains the following to the folder titled Java Program in the assignments tab:

A. Any SQL code used (ex. to create the table)
B. Your csv file
C. The java file
D. Output file (showing me that the select and insert works! If you can submit a video that would be even easier for me to see it working.