# SE226 – LAB#9           2022-2023 SPRING

**Aim:** Designing a simple Graphical User Interface and using database operations

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In today's lab, you will read a file and put the data into MySql database. You will create a table according to the followig steps.

First, please download "**Marvel.txt**" from Blackboard under Lab 9 folder. You will read this file into your script.

1) The file contains several lines in this format:

   | ID | MOVIE | DATE | MCU PHASE |
   |----|-------|------|-----------|
   | 4 | Thor | May6,2011 | Phase1 |

2) Create a table according to the information given in 1. You have ID(int), MOVIE(String), DATE(date) and MCU_PHASE (String). You can get help from the "Database Operations" slide from week 12.

3) After you create the table and your database is ready, read the file line by line and populate your table.

4) Please design an interface which is a box with 2 buttons, 1 dropdown list and a textBox.

5) The dropdown list should have the id's. When you choose one, it will be printed on the text box. If you choose another id, you need to remove the previous contents in the text box and put new data.

6) The first button is called "Add" and when clicked it will open up a pop up box with a textBox and 2 buttons inside. First button is "Ok", second "Cancel". "Ok" will try to add the textBox contents to database. "Cancel" just closes the pop up box without doing nothing. Try adding to following:

   | ID | MOVIE | DATE | MCU PHASE |
   |----|-------|------|-----------|
   | 23 | Spider-Man:FarFromHome | July2,2019 | Phase3 |

7) The second button is called "LIST ALL" and when clicked, it will print everything from database to textBox.

8) Now please run the following queries:
   a. List all Movies.
   b. Remove TheIncredibleHulk from the table.
   c. List all Phase 2 Movies.
   d. Fix the date of Thor:Ragnarok. The date should be 2017 not 2019.