LAB SIX

DDL AND DML

CS1103, Winter 2021

LEARNING OUTCOMES

At the conclusion of the lab, students should be able to

- Create tables in MySQL, including primary key, foreign key and check constraints
- Insert data into the tables.

EXERCISE

- Create Students and Enrollments tables as per the Lab Notes document
- Create a Courses table
  - Primary key is CourseId an integer which is to be generated
  - Other attributes include: course Number (e.g. CS1103), courseName, courseDescription, and creditHours
  - make sure that credit hours is within the range of 0 to 6 and has a default value of 3
- Use Insert (or Delete) statements to test your constraints.
- Add an approvedDate attribute to the Course table
- Use Insert (or Update) statements to add (or update) data to the table with the extra attribute
- Write and run an SQL statement that for each student lists the information for courses they've taken and their letter grade.

> NOTE: WHILE CHECK CONSTRAINTS ARE IMPLEMENTED IN MYSQL IN THE CURRENT VERSION (8.0), IT ISN'T IN OUR VERSION (5.5). LIVE IN HOPE AND DO THE TESTS ANYWAYS.

SUBMISSION

Before 4:30pm on the day after this lab, students should submit online to the lms

- The word-processor report as a pdf file, containing the SQL/DDL necessary to create the 3 tables as well as transcript of the exercise activities and evidence of testing results.