Registration Number

Introduction to Database (Pr)
Lab Exam (Spring 2022)

Name

Total Marks: 50   Total Time: 60 mins

Read all the INSRUCTIONS CAREFULLY as it is automatically evaluated quiz. **Violation of any instruction may result in ZERO MARKS.**

- Use of SQL Management Studio is allowed if you have working SQL Server on your own laptop, otherwise use notepad.
- Write all the answers in a notepad file named ExamDB_2019_CE_X.txt
- Each Query should start with Q1, Q2 depending on Question No. After each Question, there should be three * and then there should be two blank lines. Check the sample file on right side. If you understand the format, write FORMAT in front of your name.
- After exam, file should be uploaded to Google classroom immediately
- Being a digital quiz, it's much easier to highlight the **PLAGIARISM**, so to be safer side, avoid any activity that may lead to F in your quiz and keep your laptop screen safe so that nobody copies you.
- You will not be given any chance for the issues with your Google classroom account after exam, verify it before exam.
- Name your query files as ExamDB_2019_CE_X.sql and submit it on Google Classroom.

```
Q1
SELECT * FROM Table1
***


Q2
SELECT col1 from Table3 WHERE col2=5
***
```

Database Schema:

- Database scripts are available at https://bit.ly/3hXCG3V.
- Keep the name of database as LmsTestDb
- Diagram of schema is available separately.

Problems

1. List the email Ids of students who have enrolled to a course but have not submitted any assignment in that course.
   Output schema should be as follow (EmailId, CourseName).
2. List the semester wise enrollments for students. Fall 2020 is one semester and so on.
   Output schema should be as follow (SemesterName).
3. Sections of which course have no enrollments. List the name of courses.
   Output schema should be as follow (CourseName).

3b. List the name of courses whose assignments are currently open for submission.

   Output schema should be as follow (CourseName).

4. Assignment submission is said to be at eleventh hour if it is submitted one hour before the deadline. List the name of students who have submitted more than two assignments in any course at eleventh hour.
   Output schema should be as follow (StudentName).
5. An assignment is said to be difficult if no more than two students can submit before the deadline. List the Ids of assignments which are difficult.
   Output schema should be as follow (AssignmentId).
6. A student is said to session fellow if they are enrolled in more than three courses together. List the pair-wise registration numbers of students who are session fellow.
   Output schema should be as follow (RegistrationNumber1, RegistrationNumber2).
7. Report the pairs of students who have submitted assignment immediately after each other for more than two times.
   Output schema should be as follow (RegistrationNumber1, RegistrationNumber2).
8. Write a stored procedure to enroll a student in a course given input of CourseName and SectionName.
9. Write a trigger such that if the assignment deadline has been passed and a row is inserted in SpikoAssignmentSubmission to submit that assignment, that row should not be inserted.
10. Write a query to add index on Student Registration Number.