
CS246: Database Management Systems Lab

Lab # 09 (1 Questions, 100 Points)

Submission time: on or before 22-May-2020 at 11:59 (AM) hrs

Pages: 2

IIT Guwahati

19-May-2020 (Tue)

Question 1: (100 points)

You are given files with the given format:

Input files description

exam-time-table.csv contains the following columns line number, course id, exam date, start time, end time¹

course-credits.csv contains the following columns course id, number of credits

course-wise-student-list serial number, roll number, name, email, course id²

Note The tgz database is shared with you.

Problem Statement Your task is to:

1. Create a database with `your_roll_number_19may2020`
2. Create three tables with names `ett` (exam time table), `cc` (course credits) and `cwsl` (course wise students list) with appropriate primary key, foreign key and other constraints.
3. Load the given data into these three tables. Read the mysql manual for loading data into tables given at <https://dev.mysql.com/doc/refman/8.0/en/load-data.html>
4. A registered student should not have exam time table clash with his/her set of registered courses. Write a stored procedure `tt_violation` which takes no parameters and lists student roll number, student name and the two courses id's having exam time table clash if there are any clashes.
5. Total number of credits registered by a student should not exceed 40. Write a stored procedure `count_credits` which takes no parameter list and list the student roll number, student name and total number of credits registered who have violated this constraint.

Instructions Adhere to the following

mysql dump file Read the following for creating dump <https://dev.mysql.com/doc/refman/8.0/en/mysqldump.html>

file names Submit two files with names `your_roll_number_tt_violation.sql` and `your_roll_number_count_credits.sql`.

¹First column should contain the line number. This information is not present in the give csv file. You should include this information.

²course id is information is available from the file name and you should include this information into the table.

Single submissionfile Place the above files into a .tgz file. Do not forget to prefix your roll number with each file name.

Write SQL program in a file and store them.

Independent efforts You should make an honest and independent effort in obtaining the solution to the above problem.

Submission Table below shows which student should submit to which TA

Swarup	b.swarup@iitg.ac.in	180101001	180101010
Arnuav Saikia	arunav.saikia@iitg.ac.in	180101011	180101020
Ayasha	ayasha@iitg.ac.in	180101021	180101030
Monish Kumar	bmonish@iitg.ac.in	180101031	180101040
Bawane Akshay	a.bawane@iitg.ac.in	180101041	180101050
Dharmendra	dharmend@iitg.ac.in	180101051	180101060
Gagan	g.gagan@iitg.ac.in	180101061	180101070
Hardik Kumar	hardik.kumar@iitg.ac.in	180101071	180101080
Jyotish Saikia	jyotish.saikia@iitg.ac.in	180101081	180101091
Chiranjeevi	kanaka@iitg.ac.in	180101092	180123002
Krishnavandan	k.padhye@iitg.ac.in	180123003	180123012
Mohd Zeeshan	mohd18@iitg.ac.in	180123013	180123022
Rishabh	rdhawan@iitg.ac.in	180123023	180123032
Sagar Kumar	sagarkumar@iitg.ac.in	180123033	180123042
Sandesh	sandesh19@iitg.ac.in	180123043	180123052
Sunil Nomeshwar Naik	nomeshwa@iitg.ac.in	180123053	180123065

Marking Scheme The evaluation criteria is as follows:

Question 1 (1) 2 marks

Question 1 (2) 9 marks (3 marks for each table)

Question 1 (3) 19 marks

- 4 marks for loading data into ett table (2 marks for including line number information; 2 marks for loading data)
- 2 marks for loading data into cc table
- 13 marks for loading data into cws1 table

Question 1 (4) 35 marks

- 5 marks for cursor declaration and firing correct SQL query
- 10 marks for logic
- 20 marks for correct output

Question 1 (5) 35 marks

- 5 marks for cursor declaration and firing correct SQL query
- 10 marks for logic
- 20 marks for correct output