CS3120 Database Management Systems Laboratory

Assignment – 5

Due Date – 17/03/2021 11:59 pm

Instructions:

1. Take the screenshot of terminal after execution of each command and paste it below the command given in assignment
2. Submit the .pdf file on Moodle
3. Submit it in the naming format **<rollnumber_assignment5.pdf>**. Follow the naming format as given, otherwise marks will be deducted.
4. Deadline for late submission(with penalty) : 18/03/2021 11:59 pm

Assignment:

Write the following queries in SQL, using the university schema.

1.

   I. Create two tables with table 1 as referenced table and table 2 as referencing table.
   II. insert values in two tables and show two examples of all integrity constraint error.
   III. also show ON DELETE CASCADE example.
   IV. delete two tables

2.

   I. backup databases with data and without data and store it as structure_with_data.sql and structure_without_data.sql(show proof by taking screenshot of location where it is stored)
   II. restore these databases as name : with_data and without_data.(show proofs by showing table)
   III. delete these databases.

3.Find the total number of (distinct) students who have taken course sections taught by the instructor with ID 110011(using nested subquery) .

4.Find the names of all instructors whose salary is greater than at least one instructor in the Biology department(using nested subquery).

5.Write a query to list all departments along with the number of instructors in each department(using nested subquery).

6.Write query to show instructor name with second highest salary.(using nested subquery).

7.Show toppers name,dept_name and total credits from dept with more than one students.(using nested subquery)