INST327 – Assignment 3

Please import <u>version two of the iSchool database</u>. The script, attached in the assignment, will create a new database called iSchool_v2. Use iSchool_v2 database for this assignment.

Be sure you complete <u>all three</u> questions.

Please consult the rubric and instruction sheets before starting the assignment. Usage of some keywords or structures (IF, IFNULL(), etc.) that are not allowed will result in point deductions. This is to test you on what we have taught you even though these keywords and structures may seem like an easier solution.

Q. 1) CREATE AND INSERT (40 points)

The tables created in this question will be used in the following questions too.

First, create the two tables courses_copy and course_sections_copy then insert all of the data from their original tables. When creating the tables, preserve column attributes and indexes (this can be done with the LIKE keyword).

To allow for repeated clean executions of your script, precede the statements with DROP TABLE statements. To ensure that the script will run cleanly even when the tables have not yet been created, use DROP TABLE IF EXISTS __ .

Once your tables have been created, write INSERT statements to add the following information:

1. Insert a new course into the courses_copy table with these values for each column:
   course_id: 83
   course_code: "INST"
   course_number: "408M"
   course_description: "Data Analytics and Decision Making Methods"
   course_syllabus: NULL
   course_prereq: NULL
   credits: 3
2. Insert a new section in the course_sections_copy table with these values for each column:
   section_id: 179
   section_number: "0101"
   semester: "Fall"
   year: 2022
   meeting_days: "Th"
   start_time: "15:30:00"
   end_time: "16:45:00"
   course_id: 83
   instructor_id: 132466096
   delivery_id: 1
   format_id: 1
   location_id: 34

Finally, write SELECT queries to check that the new information has been successfully added. Courses_copy table should return 83 rows. Course_sections_copy table should return 179 rows.

Q. 2) UPDATE (40 points)

The section 179 of INST408M course in Fall 2022 semester has been changed from face-to-face delivery to blended learning delivery. Keep the inserts the same but write an update that sets the delivery type of INST408M section 179 to blended learning.
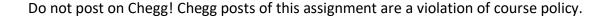
Then, write a SELECT query that returns all blended learning sections, as shown below. INST408M section 179 should be present in the result table. Please order by course_name.

course_name	section_id	delivery_type
INST 327	174	Blended Learning
INST 327	175	Blended Learning
INST 327	176	Blended Learning
INST 327	178	Blended Learning
INST 335	67	Blended Learning
INST 346	70	Blended Learning
INST 346	73	Blended Learning
INST 352	74	Blended Learning
INST 352	77	Blended Learning
INST 354	78	Blended Learning
INST 354	79	Blended Learning
INST 408M	179	Blended Learning
INST 613	128	Blended Learning
INST 615	129	Blended Learning

42 rows returned. Only a subset is shown in this preview.

The first row has the values "INST126", "11", "Blended Learning".
The last row has the values "INST878E", "167", "Blended Learning".

(See question 3 on the following page.)

Do not post on Chegg! Chegg posts of this assignment are a violation of course policy.

Q. 3) DELETE (20 points)

The university has decided to cancel all INST878 sections, namely sections 164 through 169. Write a DELETE query that removes all INST878 sections. To make sure the values are properly deleted, write a SELECT query that returns everything from course_sections_copy table. Sections 164 through 169 should be missing in the result table, as shown below.

section_id	section_number	semester	year	meeting_days
160	IM01	Fall	2021	ONLINE
161	0101	Fall	2021	Tu
162	0101	Fall	2021	Th
163	0102	Fall	2021	Th
170	0101	Fall	2021	M
171	101	Spring	2022	WF
172	102	Spring	2022	WF
173	103	Spring	2022	WF

173 rows returned. Only a subset of rows and columns is shown in this preview.

Do not post on Chegg! Chegg posts of this assignment are a violation of course policy.