

## INST327 - Assignment 3

Be sure you complete all three questions.

Please consult the rubric and instruction sheets before starting the assignment. This assignment has fewer disallowed keywords and structures since it involves CRUD operations, but you should still check the instructions on each assignment for changes.

### Q.1) CREATE and INSERT (40 points)

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

This question has two parts.

First, create the two tables **people\_copy** and **enrollments\_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 student into the **people\_copy** table with these values for each column:  
person\_id: *the next automatically generated ID value*  
lname: **Jones**  
fname: **Grace**  
pronoun\_id: **8**  
email: **gjones@umd.edu**  
college: **College of Information Studies**  
department: **TID**  
title: **NULL**  
start\_date: *use a function here that will insert the date and time at the moment this record is added*
2. Insert 3 new rows into the **enrollments\_copy** table to place Grace in the following classes. Note that you may hardcode the id values but you will need to investigate other tables to get the correct section\_id values. Grace is enrolled in INST327 section 201 for this Spring, and they were enrolled in INST201 section 0103 and INST311 section 0202 in the Fall.

## Q.2) UPDATE (30 points)

Turns out one of the original enrollments for **Grace** was incorrect and we need to change which section they are in. Keep the inserts the same but write an update that switches **Grace** from **INST327** section **201** into **INST327** section **202**. Be sure not to change any other values in **enrollments\_copy**.

Then, write a **SELECT** that replicates the results below to make sure **Grace's** enrollments are correct after your **UPDATE** query. Be sure that your query replicates the result set shown below, matching all data and format aspects, including column headers.

	student_name	course	section_number	semester_year
▶	Grace Jones	INST327	202	Spring 2022
	Grace Jones	INST311	0202	Fall 2021
	Grace Jones	INST201	0103	Fall 2021

3 rows returned. Order does not matter for this question.

### Q.3) DELETE (30 points)

The university has decided to cancel **INST327** for the spring semester of **2022**, so next, you need to remove all enrollments for the course for the **Spring**. First, write a query that replicates the result set below, matching all data and format aspects, including column headers. This query is to help you determine which values need to be removed from the **enrollments\_copy** table. Please order by **section\_id** but any additional ordering is not necessary as your output does not need to exactly match.

	section_id	section_number	course	student_name
▶	171	101	INST327	Luke Skywalker
	171	101	INST327	Lando Calrissian
	172	102	INST327	Din Djarin
	172	102	INST327	Han Solo
	172	102	INST327	Richard Smith
	172	102	INST327	Baby Yoda Grogu
	173	103	INST327	Leia Organa
	173	103	INST327	Jolee Bindo
	173	103	INST327	Obi Wan Kenobi
	174	201	INST327	Sersi Chan
	174	201	INST327	Phastos Henry
	174	201	INST327	R2 D2
	175	202	INST327	Ikaris Madden
	175	202	INST327	Ajak Hayek
	175	202	INST327	Wedge Antilles
	175	202	INST327	Barbara Graham
	175	202	INST327	Grace Jones
	176	203	INST327	Kingo Nanjiani
	176	203	INST327	Mace Windu
	176	203	INST327	Sarah Andrews
	177	01xx	INST327	Din Djarin
	177	01xx	INST327	Luke Skywalker
	177	01xx	INST327	Han Solo
	177	01xx	INST327	Leia Organa
	177	01xx	INST327	Lando Calrissian
	177	01xx	INST327	Obi Wan Kenobi
	177	01xx	INST327	Wedge Antilles
	177	01xx	INST327	Barbara Graham
	178	02xx	INST327	Boba Fett
	178	02xx	INST327	Fennec Shand
	178	02xx	INST327	Carth Onasi
	178	02xx	INST327	Bastila Shan
	178	02xx	INST327	Sersi Chan
	178	02xx	INST327	Ikaris Madden
	178	02xx	INST327	Kingo Nanjiani
	178	02xx	INST327	Phastos Henry
	178	02xx	INST327	Ajak Hayek
	178	02xx	INST327	Baby Yoda Grogu
	178	02xx	INST327	R2 D2
	178	02xx	INST327	Mace Windu
	178	02xx	INST327	Sarah Andrews

41 rows returned. Ordering beyond section\_id does not matter.

Then, write a **DELETE** query to remove all students enrolled in any **INST327** sections for **Spring 2022**. To make sure the values are properly deleted, include the same **SELECT** query you wrote after the **DELETE** again to check the values were removed. Again, you must include the **SELECT** query before and after the **DELETE**. The results of the **SELECT** after the **DELETE** are included below:

	section_id	section_number	course	student_name
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0 rows returned.

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POSTING OR ACCESSING CHEGG POST  
OF THIS ASSIGNMENT  
IS A VIOLATION OF COURSE POLICY.