

INST327 – Assignment 7

See the assignment on Canvas for the partially completed code files that you need for Q1 & Q2: Q1_Partial_Code.sql and Q2_Partial_Code.sql. Download those before you begin working on those questions.

(There are two questions in this document.)

Q. 1) (50 points)

To prepare for this question, first create a new table in the ischool_v2 database called **new_person_records**. The code for creating the table is provided in Q1_Partial_Code.sql.

For this question, develop a trigger that will execute when a new record is added into the **people** table, and will add to the **new_person_records** table a new row with the following values:

1. An auto-incremented ID value into the *new_person_record_id* column;
2. A text message value, "You have added a new person, <first name last name>, who is affiliated with <department> in the <college>." Into the *new_person_record_text* column;
3. The value of the date and time of the record insertion into the *new_person_record_timestamp* column.

The Q1 partial code script includes a partially completed trigger called **new_person**. Review the code, including the comments, to understand the requirements of the trigger. You will complete the trigger using the comments as a guide.

To test your trigger, use the test code provided at the bottom of the script. After inserting a new person "Harry Potter" into the **people** table, this is what the **new_person_records** table should look like:

new_person_rec...	new_person_record_text	new_person_record_timestamp
7	You have added a new person, Harry Potter, who is affiliated with MIM in the College of Information Studies	2022-11-12 23:09:23
HULL	HULL	HULL

Note: You may work inside the partial code script and use it for submission on Canvas, but please remove the comments once finished and submit a single script with your answers for both questions.

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Q. 2) (50 points)

Use Q2_Partial_Code.sql script for this question.

For this question, please create a stored function called **get_person_pronouns**. This function expects two arguments that represent the first name and last name of a person that is present in the **people** table. The function will return the pronouns of the person (type VARCHAR) – “he/him”, “she/her”, “they/them”, etc.

Test your function with the code provided at the bottom of the script. If you call the **get_person_pronouns** function on a student named Kamala Khan, this is what the result table should look like:

	get_person_pronouns("Kamala","Khan")
▶	she/her

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