Continuous Assessment Task 4

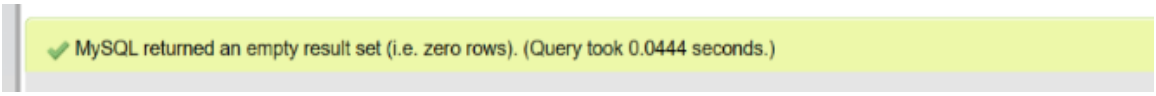
Deadline: 3pm Wednesday 29th March 2023

Nnb. Make sure to **only use the SQL tab** as instructed and not to manually edit any part of the tables you create (via other tabs). This is tracked by the system and parts of the exercise done using other tabs will receive a zero mark. This is not to punish anyone, it is simply required for the assignment, so follow the instructions correctly and ask if you have questions.

To access your lab database:

1	Log in to your account on macneill.scss.tcd.ie using the username and password emailed to you.
2	Click on the database available there, its name will contain your username and end in _db

Inputting an SQL Command:

1	Click on the SQL tab
2	Type your SQL command
3	Click "Go". You should see something like this, if not don't panic, just edit your sql command and try again: 
4	Click the SQL tab again
5	Type your next command and so on to complete all of the tasks below.

Task 4: Joining Tables in MySQL

The following simple example includes tasks related to creation and joining of tables as well as working with dates. The information below represents cinema ticket bookings, e.g. the BookingDate attribute stores the date of the screening of a movie that has been booked by a Customer and values in the CustomerID attributes link the two tables.

1	Create the below two tables called Bookings and CustomersT4 with the appropriate date types, primary and foreign keys.

BookingID	CustomerID	BookingDate
10308	2	1996-09-18
10309	1	1996-09-19
10310	2	1996-09-20
10311	3	1996-09-19
10312	2	2026-09-20

CustomerID	CustomerName	ContactName	Country
1	Alfreds Futterkiste	Maria Anders	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mexico

2	Insert the above data into the Customers table, followed by the Bookings table.
3	Return all data in the Bookings table.
4	Select all values in the BookingDate column in the Bookings table.
5	Select all information about Customers in the Customers table who live in Mexico.
6	Select the BookingID of all Bookings that took place on 18th September 1996.
7	Select the CustomerNames of all Customers whose order date is 18th September 1996.
8	**Select the ContactNames of all Customers who ordered a product before 19th September 1996.**
9	Select the BookingID of all Bookings that took place prior to today's date.
10	Select the ContactNAme of all Customers whose BookingDate is after today's date.

NB: Make sure to only edit your database using the SQL tab, otherwise work will not be logged.