

INFO 102 Lab 8: Databases & SQL queries

Your info: Name: _____ Net ID: _____

Feel free to check in with your partner, but do your own worksheet today.

We will learn about **SQL queries** on the following platform for today's activity: go.illinois.edu/102SQL

Login using the following username: **{{Username}}**

Your password is: **{{Password}}**

Please follow the instructions online. Your attendance will be based on completing the activities online and this worksheet.

Q1a: This question is about **Example 1**. What are the fields of the table for this example?

- 1.
- 2.
- 3.

Q1b: This question is about **Example 1**. What is the first record of this table?

(.....,,,)

Continue on the platform. Keep following the instructions on the page.

Q2a: This question is about **Example 3**.

There has been a mistake in the 'movies' table, where the release dates of all Sci Fi movies were recorded to be one day earlier than the actual release date. Moreover, there have been some incorrect entries that do not have any genre information.

1. You should increase the release dates of all Sci Fi movies by one.
2. You should delete these from the table.

What two plans could you use to achieve this?

- 1.
- 2.

Q2b: This question is about **Example 3**. Complete the query for increasing 'Release Date' by one for movies whose 'Genre' is 'Sci Fi' in the table 'movies'.

_____ 'movies'

SET 'Release Date' = _____ + 1

WHERE 'Genre' = _____ ;

Continue on the platform. Keep following the instructions on the page.

Q3: This question is about **Exercise 1**. We are working on the Ad Management table from this exercise. Assume that we have started multiple ad campaigns that contain the same celebrities.

Fill in the blanks to get the average 'Projected Reach' for each 'Celebrity'.

Hint: Look at the second drag&drop problem for Exercise 1. How can you modify that example?

Complete the rest of the exercises on the platform.

Q4: Think about CRUD operations. What category does each of the plans you learned today fall into? Place an X to mark what CRUD operation each plan achieves.

	Create	Read	Update	Delete
Plan 1: Remove Records				
Plan 2: View Records				
Plan 3: Update Records Conditionally				
Plan 4: Order Records				
Plan 5: Add New Record				
Plan 6: Summarize Records				

Q5: Do you think you will use SQL in your profession? If yes, describe one query that you might use and what you might want to achieve. If no, explain why.

**When you're done, check out with a TA or CA, and hand over this completed worksheet.
Bye!**