Answers 3.3

**Step 1:**

Your first task is to find out what film genres already exist in the category table:

* Open pgAdmin 4, click the Rockbuster database, and open the Query Tool.
* Write a SELECT command to find out what film genres exist in the category table.
* Copy-paste the output into your answers document or write the answers out—it’s up to you. Make sure to include the category ID for each genre.

Answers:

SELECT category\_id,"name",last\_update

FROM category

Table

Description automatically generated

Step 2:

INSERT INTO category

("name")

VALUES

('Crime'),('Mystery'),('Romance'),('War')

Table

Description automatically generated

Step 2b:

Not Null Constraint:

This ensure that are no numbers missing from any column. If you accidentally leave out a store ID number in a field, the NOT NULL constraint would force you to enter a value for that field.

Primary Key Constraints:

This constraint makes all value in the column into a primary key. AS covered in the last Exercise, the primary key acts as a unique identifier for an entire row in a table.

Step 3:

The genre for the movie *African Egg* needs to be updated to thriller. Work through the steps below to make this change:

* Write the SELECT statement to find the film\_id for the movie *African Egg*.
* Once you have the film\_ID and category\_ID, write an UPDATE command to change the category in the film\_category table (not the category table). Copy-paste this command into your answers document.

Answers:

* To find film\_id

SELECT film\_id,title

FROM film

WHERE title='African Egg'

Graphical user interface, text, application

Description automatically generated

* To find film\_category

SELECT category\_id FROM film\_category

Where film\_id=5

Graphical user interface, text, application, email

Description automatically generated

* Update film\_category for Thriller category.

Graphical user interface, text, application

Description automatically generated

Step 4:

Since there aren’t many movies in the mystery category, you and your manager decide to remove it from the category table. Write a DELETE command to do so and copy-paste it into your answers document.

* DELETE FROM category
* WHERE "name"='Mystery'

Step 5:

Based on what you’ve learned so far, think about what it would be like to complete steps 1 to 4 with Excel instead of SQL. Are there any pros and cons to using SQL? Write a paragraph explaining your answer.

Pros:

* Using SQL for this data made manipulating the data more creative.
* SQL also help organize the data in a better structured way.

Cons:

* Using SQL for beginners can be difficult at times.
* The time is takes to fix mistakes can take a toll on productivity.