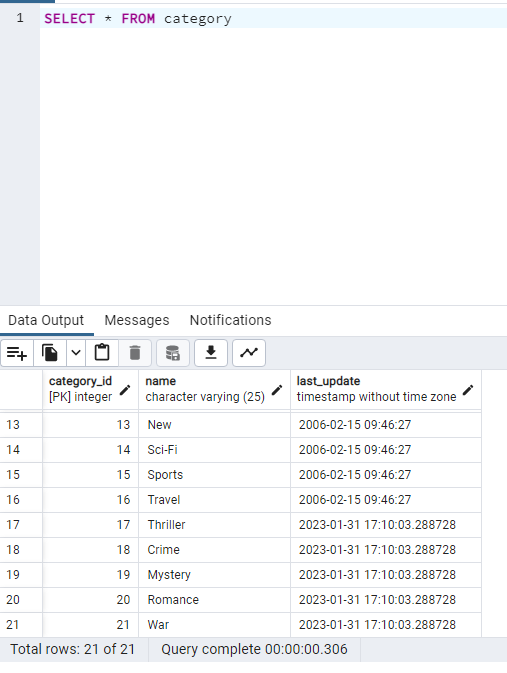
Answers 3.3

Step: 1

By using: SELECT name FROM category, I was able to locate all 16 genres in the category table.

|  |
| --- |
| "Action" |
| "Animation" |
| "Children" |
| "Classics" |
| "Comedy" |
| "Documentary" |
| "Drama" |
| "Family" |
| "Foreign" |
| "Games" |
| "Horror" |
| "Music" |
| "New" |
| "Sci-Fi" |
| "Sports" |
| "Travel" |

Step 2:

* By using INSERT INTO category (name) VALUES ('Thriller'), ('Crime'), ('Mystery'), ('Romance'), ('War'). I was able to add those 5 genres to the name column in category.
* **Write a short paragraph explaining the various constraints that have been applied to the columns. What do these constraints do exactly? Why are they important?**

**category\_id integer NOT NULL DEFAULT nextval('category\_category\_id\_seq' ::regclass),**

**name text COLLATE pg\_catalog."default" NOT NULL,**

**last\_update timestamp with time zone NOT NULL DEFAULT now(),**

**CONSTRAINT category\_pkey PRIMARY KEY (category\_id)**

**Explanation:**

NOT NULL DEFAULT: These constraint prevent null values and empty cells in these columns.

PRIMARY KEY: gives category\_id a unique ID.

Step 3:

* **Write the SELECT statement to find the film\_id for the movie African Egg.**

SELECT film\_id FROM film WHERE title = 'African Egg'. This gives us 5 as the film\_id for African Egg.

SELECT film\_id, category\_id FROM film\_category WHERE film\_id = 5. This gives us category\_id of 8.

Film\_id is 5 & category\_id is 8.

* **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.**

By running SELECT category\_id, name FROM category, we can see that the Thriller Id is 17 which gives us the last piece we need in order to makes these changes.

UPDATE film\_category

SET category\_id = 17

WHERE film\_id = 5

**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.**

Many of these steps would need to be completed manually in excel and may take an absurd amount of time. However, being familiar with excel makes it easier to navigate. Like any language SQL has a learning curve that doesn’t allow for speedy results.