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3.3 SQL for Data Analysts

**Step 1:**

1. Select command to find out what film genres exist in the category table.
2. Output Select query.

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A screenshot of a computer screen

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Step 2:

1. Adding new gernes, Thriller, Crime, Mystery, Romance, and War.

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1. Write a short paragraph explaining the constraints that have been applied to the columns. What do these constraints do exactly? Why are they Important?

CREATE TABLE category  
(category\_id integer NOT NULL DEFAULT nextval('category\_category\_id\_seq'::regclass), name text COLLATE pg\_catalog."default" NOT NULL,  
last\_update 􏰀mestamp with 􏰀me zone NOT NULL DEFAULT now(),  
CONSTRAINT category\_pkey PRIMARY KEY (category\_id));

**Catergory\_id**-> cannot be empty (NOT NULL), this is represented in numeric. The number is generated automatically by sequence. The Constraint is added as a primary key. This constraint is important to keep the database accurate.

**Name**-> Represented in text values. The constraints is not null. The configurations is important to accurate the data.

**Last\_Update**-> This constraint is not null and is utilized to make sure the record is not empty.

**STEP 3:**

Change the gerne for the African Egg to be a thriller.

1. Write a select statement to find the film\_id for the movie African egg.

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1. 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.

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A close-up of a white background

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Step 4:

1. 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.

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**Step 5:**

1. 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.

* I would prefer to do this in SQL if I am working with a large set of data. Because in Excel a large set of data would be hard to manipulate correctly. Where in SQL large amounts of data and running commands are easier making the work much faster and more accurate.