Step 1: SELECT \* FROM film\_category

	category_id [PK] integer	name character varying (25)	last_update timestamp without time zone
1	1	Action	2006-02-15 09:46:27
2	2	Animation	2006-02-15 09:46:27
3	3	Children	2006-02-15 09:46:27
4	4	Classics	2006-02-15 09:46:27
5	5	Comedy	2006-02-15 09:46:27
6	6	Documentary	2006-02-15 09:46:27
7	7	Drama	2006-02-15 09:46:27
8	8	Family	2006-02-15 09:46:27
9	9	Foreign	2006-02-15 09:46:27
10	10	Games	2006-02-15 09:46:27
11	11	Horror	2006-02-15 09:46:27
12	12	Music	2006-02-15 09:46:27
13	13	New	2006-02-15 09:46:27
14	14	Sci-Fi	2006-02-15 09:46:27
15	15	Sports	2006-02-15 09:46:27
16	16	Travel	2006-02-15 09:46:27

Step 2

INSERT INTO category(name) VALUES ('Thriller') ,('Crime') ,('Mystery'), ('Romance'), ('War')

	category_id [PK] integer	name character varying (25)	last_update timestamp without time zone
1	1	Action	2006-02-15 09:46:27
2	2	Animation	2006-02-15 09:46:27
3	3	Children	2006-02-15 09:46:27
4	4	Classics	2006-02-15 09:46:27
5	5	Comedy	2006-02-15 09:46:27
6	6	Documentary	2006-02-15 09:46:27
7	7	Drama	2006-02-15 09:46:27
8	8	Family	2006-02-15 09:46:27
9	9	Foreign	2006-02-15 09:46:27
10	10	Games	2006-02-15 09:46:27
11	11	Horror	2006-02-15 09:46:27
12	12	Music	2006-02-15 09:46:27
13	13	New	2006-02-15 09:46:27
14	14	Sci-Fi	2006-02-15 09:46:27
15	15	Sports	2006-02-15 09:46:27
16	16	Travel	2006-02-15 09:46:27
17	17	Thriller	2022-08-08 15:16:04.049526
18	18	Crime	2022-08-08 15:16:04.049526
19	19	Mystery	2022-08-08 15:16:04.049526
20	20	Romance	2022-08-08 15:16:04.049526
21	21	War	2022-08-08 15:16:04.049526

The CREATE statement contains NOT NULL Constraint which ensures that a column can't have any empty or missing values (category\_id and name columns)

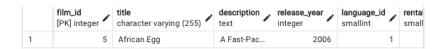
Constraints are important because they can help you make sure that the values in each column are consistently formatted. They can also help you make sure values in a column are unique, not null, or even check for values that don't belong

Step 3



## SQL commands used

- Find the film id
  - o SELECT \* FROM film WHERE title= 'African Egg'



- As we also knew that Thrill's category\_id =17, So I used the following command
  - UPDATE film category SET category id = 17 WHERE film id = 5;
- After the update, I checked if the info is updated by using the following SOL command
  - SELECT \* FROM film category WHERE film id = 5;



Step 4

## **SQL** Command:

- DELETE FROM category WHERE name='Mystery'

Check if mystery has been successfully deleted:

- SELECT \* FROM category;

	category_id [PK] integer	name character varying (25)	last_update timestamp without time zone
1	1	Action	2006-02-15 09:46:27
2	2	Animation	2006-02-15 09:46:27
3	3	Children	2006-02-15 09:46:27
4	4	Classics	2006-02-15 09:46:27
5	5	Comedy	2006-02-15 09:46:27
6	6	Documentary	2006-02-15 09:46:27
7	7	Drama	2006-02-15 09:46:27
8	8	Family	2006-02-15 09:46:27
9	9	Foreign	2006-02-15 09:46:27
10	10	Games	2006-02-15 09:46:27
11	11	Horror	2006-02-15 09:46:27
12	12	Music	2006-02-15 09:46:27
13	13	New	2006-02-15 09:46:27
14	14	Sci-Fi	2006-02-15 09:46:27
15	15	Sports	2006-02-15 09:46:27
16	16	Travel	2006-02-15 09:46:27
17	17	Thriller	2022-08-08 15:16:04.049526
18	18	Crime	2022-08-08 15:16:04.049526
19	20	Romance	2022-08-08 15:16:04.049526
20	21	War	2022-08-08 15:16:04.049526

Step 5:

Finding and updating tables using SQL is easier than Excel because you can use queries to find the exact tables and rows you'd like to see and use commands to update values automatically. Excel is more cumbersome because you have to manually sort through multiple worksheets to find the table you want, filter out the rows of values you'd want to read or update, then manually make changes which will takes more time and more likely to make mistakes.

```
Bonus Task:
CREATE TABLE employees
(
employee_id integer NOT NULL,
name VARCHAR(50),
contact_number VARCHAR(50),
designation_id INT,
last_update TIMESTAMP NOT NULL DEFAULT now(),
CONSTRAINT employee_pkey PRIMARY KEY (employee_id)
)
```

## ▼ III Tables (17)

- > 🗎 actor
- > 🗎 address
- > 🛗 category
- > 🗎 city
- > 🔠 country
- > == customer
- > 🗎 employees
- > 🛗 film
- > 🔠 film\_2
- > ii film\_actor
- > ## film\_category
- > inventory
- > 🗎 language
- > 🗎 payment
- > iii rental
- > 🛗 staff
- > 🔠 store

- -