Query Editor Query History

1	SELECT category_id, name		
2 FROM category			
3			
	Data Output Explain Messages		
	4	category_id [PK] integer	name character varying (25)
	1	1	Action
	2	2	Animation
	3	3	Children
	4	4	Classics
	5	5	Comedy
	6	6	Documentary
	7	7	Drama
	8	8	Family
	9	9	Foreign
	10	10	Games
	11	11	Horror
	12	12	Music
	13	13	New
	14	14	Sci-Fi

Step 2

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

```
Data Output Explain Messages Notifications
```

INSERT 0 5

Query returned successfully in 100 msec.

```
CREATE TABLE category
(

category_id integer NOT NULL DEFAULT nextval('category_category_id_seq'::regclass),

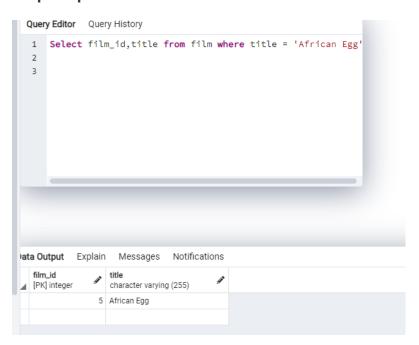
name text COLLATE pg_catalog."default" NOT NULL,

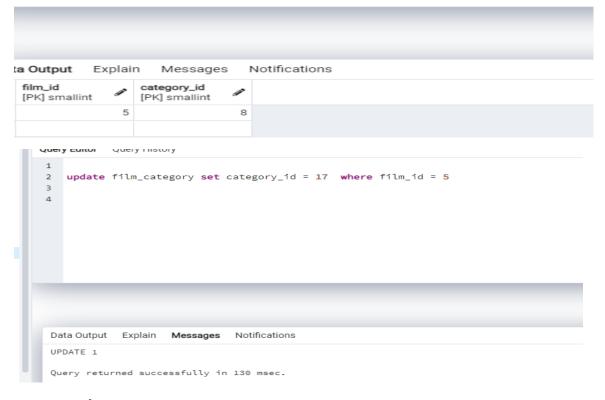
last_update timestamp with time zone NOT NULL DEFAULT now(),

CONSTRAINT category_pkey PRIMARY KEY (category_id)
);
```

- 1. **UNIQUE Constraint:** This ensures that every value in a column is unique. It's helpful if you want to prevent duplicate values from being entered into a column. Category id can be a unique constraint.
- 2. **NOT NULL Constraint:** This ensures that a column can't have any empty or missing values. Use **NOT NULL** if your table contains columns that should never be empty. When this constraint is applied correctly, an error message will appear if someone try to insert empty values. Here we have category_id, name, and time for last update with not null constraint.
- 3. **PRIMARY KEY Constraint:** The primary key gives each record in a table a unique ID. The primary key column can't contain any null or duplicate values. We have category pKey primary key constraint here.

Step 3 Update





Step 4 Delete



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

There is no doubt that SQL is very fast and can be very helpful if we are dealing with large amount of data but I still need to do lots of practice to master SQL. In excel filter method would be useful to get all this information. We can use pivot table and then use slicer method to find out whatever we need to know. But in SQL we just get the information that have been asked for.

For example if we need to know how many films in the film category we can run query

select count(film_id) from film

It will show how many films in film table with just a number.

Output was 1000;

But if I will be trying same thing in excel It will show all the data with all the films and count will be on right hand side at bottom.

Although It might not be a big difference but for the large datasets it could take longer time to load all the data but SQL makes it more faster.

Bonus Task

