**Step 1:**

SQL command:

SELECT \* from category;

Output:

**category\_id category\_name last\_update**

1 "Action" "2006-02-15 09:46:27"

2 "Animation" "2006-02-15 09:46:27"

3 "Children" "2006-02-15 09:46:27"

4 "Classics" "2006-02-15 09:46:27"

5 "Comedy" "2006-02-15 09:46:27"

6 "Documentary" "2006-02-15 09:46:27"

7 "Drama" "2006-02-15 09:46:27"

8 "Family" "2006-02-15 09:46:27"

9 "Foreign" "2006-02-15 09:46:27"

10 "Games" "2006-02-15 09:46:27"

11 "Horror" "2006-02-15 09:46:27"

12 "Music" "2006-02-15 09:46:27"

13 "New" "2006-02-15 09:46:27"

14 "Sci-Fi" "2006-02-15 09:46:27"

15 "Sports" "2006-02-15 09:46:27"

16 "Travel" "2006-02-15 09:46:27"

**Step 2:**

SQL command:

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

CREATE TABLE category

(

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

Here the value for the integer category\_id is automatically one value higher than the last time a value was added in the table.

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

Here we say that the input can’t be zero and we set the value of every char, in case that we later on compare those, to the default setting.

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

Last\_update should not be empty and has a default value of the timestamp at the time of creation.

CONSTRAINT category\_pkey PRIMARY KEY (category\_id)

This makes the category\_id a Primary key.

);

**Step 3:**

SQL command:

SELECT film\_id FROM film WHERE title = 'African Egg';

⇒ 5

SELECT category\_id FROM film\_category WHERE film\_id = 5;

⇒ 8

UPDATE film\_category SET category\_id = 2 WHERE category\_id = 8 AND film\_id = 5;

**Step 4:**

SQL command:

DELETE FROM category WHERE name = 'Mystery';

**Step 4:**

Actually, there isn't much to say. In Excel, I would have had to manually look through each data point and make many more clicks to accomplish the same tasks. On the other hand, because you can't see the change right away, you have to believe the results. But it's habit that causes that.