C.F. 3.3: SQL for Data Analysts
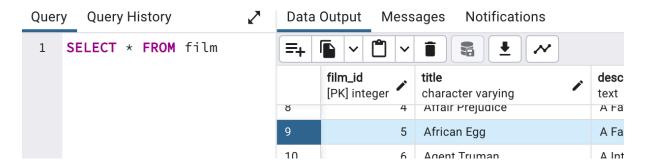
Answers 3.3

Step one:

Step two:
Manually added each category. (*There must be a way to add multiple categories, but I didn't find it.*)

The NOT NULL constraint creates a need for a value tone entered: There can be no blank or empty values. DEFAULT forces the database to use the specified 'default' value, which is defined in the first line with 'integer' and 'nextval' making it appear sequential in the list. Later for the timestamp, the DEFAULT is 'now' unless a date is entered. The last constraint is PRIMARY KEY which makes all the values primary keys for the table. This allows each value to be unique for the row.

Step three: Find African Egg

| Query | Query History | ↗ | Data Output | Messages | Notifications |

```
1  SELECT * FROM film
```

	film_id ✎ [PK] integer	title ✎ character varying	desc text
8	4	Affair Prejudice	A Fa
9	5	African Egg	A Fa
10	6	Agent Truman	A Int

Find category

| Query | Query History | ↗ | Data Output | Messages | Notifications |

```
1  SELECT * FROM film_category
```

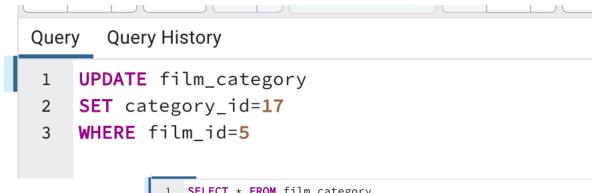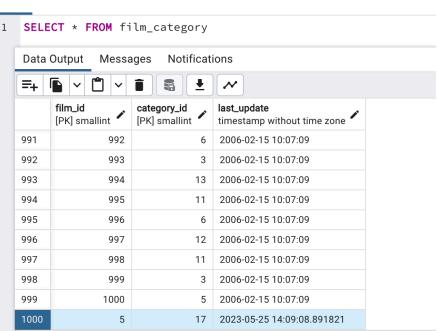|	film_id ✎ [PK] smallint	category_id ✎ [PK] smallint	last_update ✎ timestamp without time zone
4	4	11	2006-02-15 10:07:09
5	5	8	2006-02-15 10:07:09
6	6	9	2006-02-15 10:07:09

Change category

| Query | Query History |

```
1  UPDATE film_category
2  SET category_id=17
3  WHERE film_id=5
```

Check your work

```
1  SELECT * FROM film_category
```

| Data Output | Messages | Notifications |

	film_id ✎ [PK] smallint	category_id [PK] smallint	last_update ✎ timestamp without time zone
991	992	6	2006-02-15 10:07:09
992	993	3	2006-02-15 10:07:09
993	994	13	2006-02-15 10:07:09
994	995	11	2006-02-15 10:07:09
995	996	6	2006-02-15 10:07:09
996	997	12	2006-02-15 10:07:09
997	998	11	2006-02-15 10:07:09
998	999	3	2006-02-15 10:07:09
999	1000	5	2006-02-15 10:07:09
1000	5	17	2023-05-25 14:09:08.891821

Step four: Image with Mystery, DELETE FROM command, Table showing deleted category.

Step five: The major bonus for me is I don't enjoy Excel. Having said that, The visual GUI of pgAdmin allows me to see what it is I am selecting, changing, etc. The process will be quicker for me as I learn, so that is a benefit. Excel can be cumbersome, but it has its utility.

SQL must have a way to add multiple categories; I had to add them one by one, instead of all in one command. I could not figure this out on my own. When adding multiple items in Excel, if it is a formula, you can simply drag the box and it will update the calculations automatically.