1. SELECT *
FROM category

Data Output | Messages | Notifications

	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

Total rows: 16 of 16 | Query complete 00:00:00.114

2. INSERT INTO category(category_id,name) VALUES
(17,'Thriller'),
(18,'Crime'),

(19,'Mystery'),
(20,'Romance'),
(21,'War')

The constraints on the category table are NOT NULL this is necessary to not allow any the values for these columns to have blanks : category_id, name, and timestamp.
The other constraint is PRIMARY KEY which makes category_id column the primary key for the category table that was created. These help keep the correct data entered in the correct columns and make it so the analyst is to access the data.

3. SELECT film_id, title
FROM film
WHERE title = 'African Egg'

	film_id [PK] integer	title character varying (255)
1	5	African Egg

SELECT *
FROM film_category

	film_id [PK] smallint	category_id [PK] smallint	last_update timestamp without time zone
1	1	6	2006-02-15 10:07:09
2	2	11	2006-02-15 10:07:09
3	3	6	2006-02-15 10:07:09
4	4	11	2006-02-15 10:07:09
5	5	8	2006-02-15 10:07:09

SELECT *
FROM category

Thriller = 17

UPDATE film_category
SET category_id = 17
WHERE film_id = 5;

4. DELETE FROM category
WHERE name = 'Mystery'

5. It would take a lot more work, shuffling in between sheets, filtering, and searching for the correct terms. SQL makes it much easier, but you do need the data dictionary to help clear up the relationships and make sure you are using the correct names. You could set up these relationships in Excel using VLOOKUP, but it then you would still have to flip between sheets.

Bonus

```
CREATE TABLE three_employees
 (
employee_id INT NOT NULL,
name VARCHAR(50),
contact_number VARCHAR(30),
designation_id INT,
last_update TIMESTAMP NOT NULL DEFAULT NOW(),
CONSTRAINT employee_pkey PRIMARY KEY (employee_id)
)
```