3.3 SQL for Data Analysts

1. SELECT

SELECT category_id, name FROM category;

category_id [PK] integer	name character varying (25)
1	Action
2	Animation
3	Children
4	Classics
5	Comedy
6	Documentary
7	Drama
8	Family
9	Foreign
10	Games
11	Horror
12	Music
13	New
14	Sci-Fi
15	Sports
16	Travel

2. INSERT and CREATE

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

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

3. UPDATE



4. DELETE

```
DELETE FROM category WHERE name = 'Mystery';
```

5. SQL vs Excel

Often, I feel like Excel would be easier – especially when there is not so much data – because I can directly see the data itself. This is exactly why I really like (or almost need) an ERD, as I use it as an overview to understand the architecture behind it. SQL commands feel clearer and more straight forward to utilize than excel functions. For example: When I use the DELETE command of SQL, I know that it works, whereas with Excel, I am often unsure whether what I wanted was really deleted.

6. Find typos:

```
CREATE TABLE employee
(
    employee_id INT NOT NULL AUTO_INCREMENT,
    name VARCHAR(50) NOT NULL,
    contact_number VARCHAR(30),
    designation_id INT,
    last_update TIMESTAMP NOT NULL DEFAULT now(),
    CONSTRAINT employee_pkey PRIMARY KEY (employee_id)
);
```

Corrected some typos and added stuff that I thought would make sense :)