SERVER-SIDE
WEB DEVELOPMENT

Lecture 5

TODAY'S TOPICS

- INSERT statements

- UPDATE statements

- DELETE statements

- Participation: Movie Mayhem II
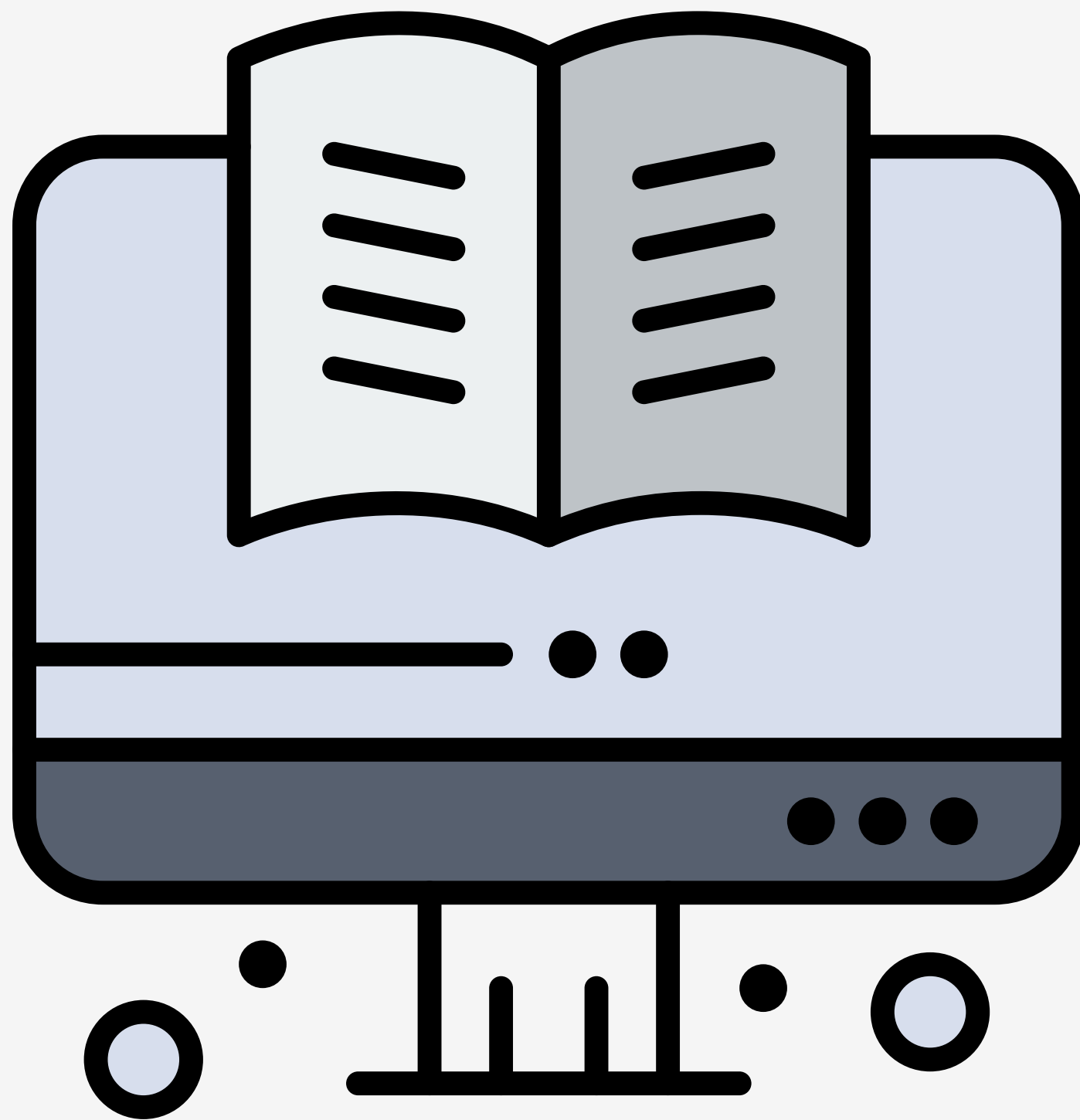
- Exercise: Seussology DB II

ANNOUNCEMENTS

- Sign-in Sheet

- Recording

QUESTIONS

INSERT STATEMENTS

INSERT STATEMENTS

- The INSERT statement is used add new data to the database.

- A table name must be included, while a list o columns is optional

- If no columns are provide all columns will be assumed

- A list of values, in the same order as the columns is required

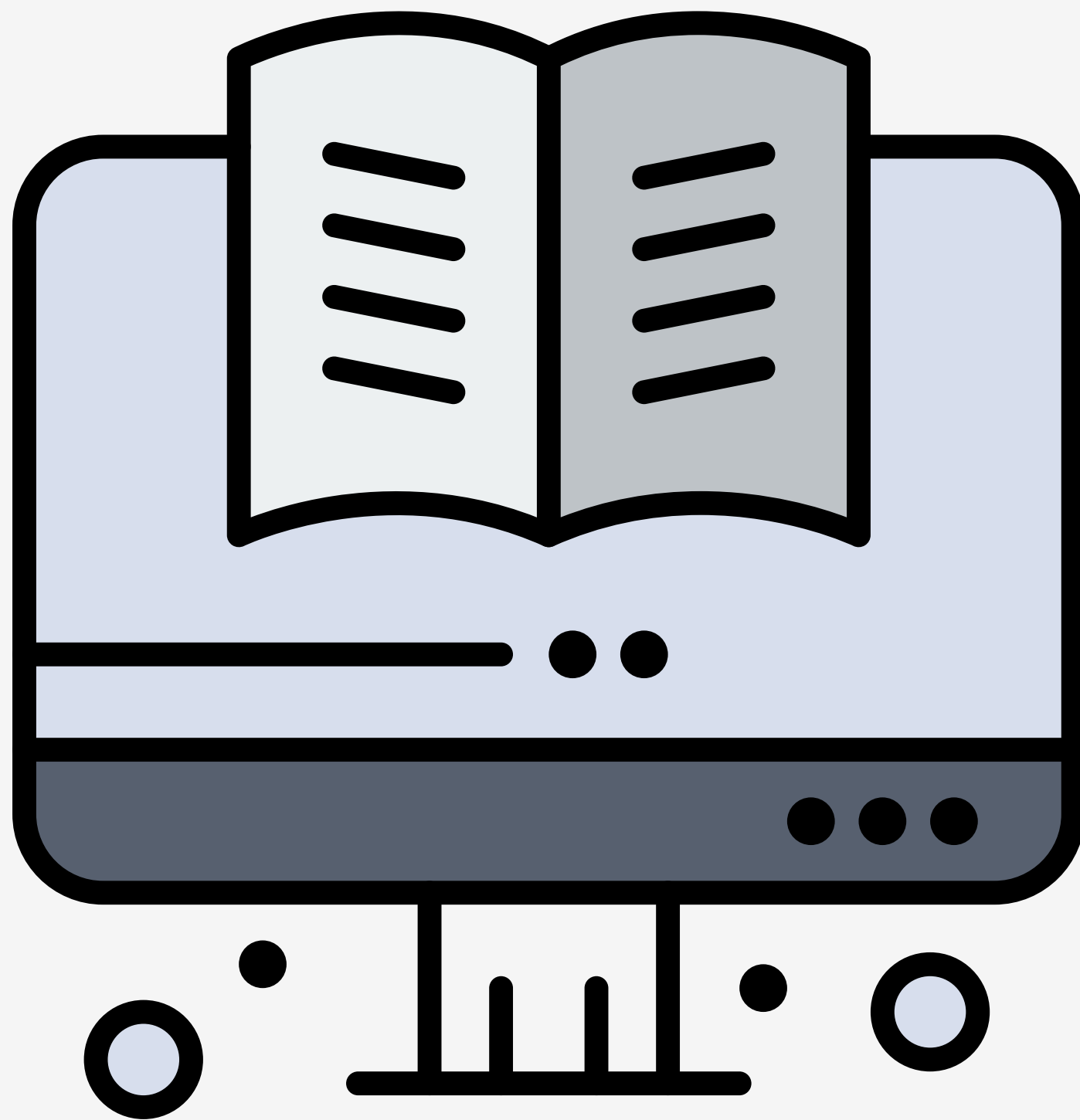- If no value is given for a required column, an error will occur

INSERT

```sql
-- Insert a record into the `movies` table
INSERT
INTO movies (`movie_title`, `director`)
VALUES ('Pulp Fiction', 'Quentin Tarantino');
```

UPDATE STATEMENTS

UPDATE STATEMENTS

- The UPDATE is used to modify or update existing records in a table

- The SET clause is used to update value of a specific column

- The WHERE clause is used to specify which records should be updated

- If the WHERE clause is omitted, *ALL* records will be updated

- The LIMIT clause can be used to further limit the impact
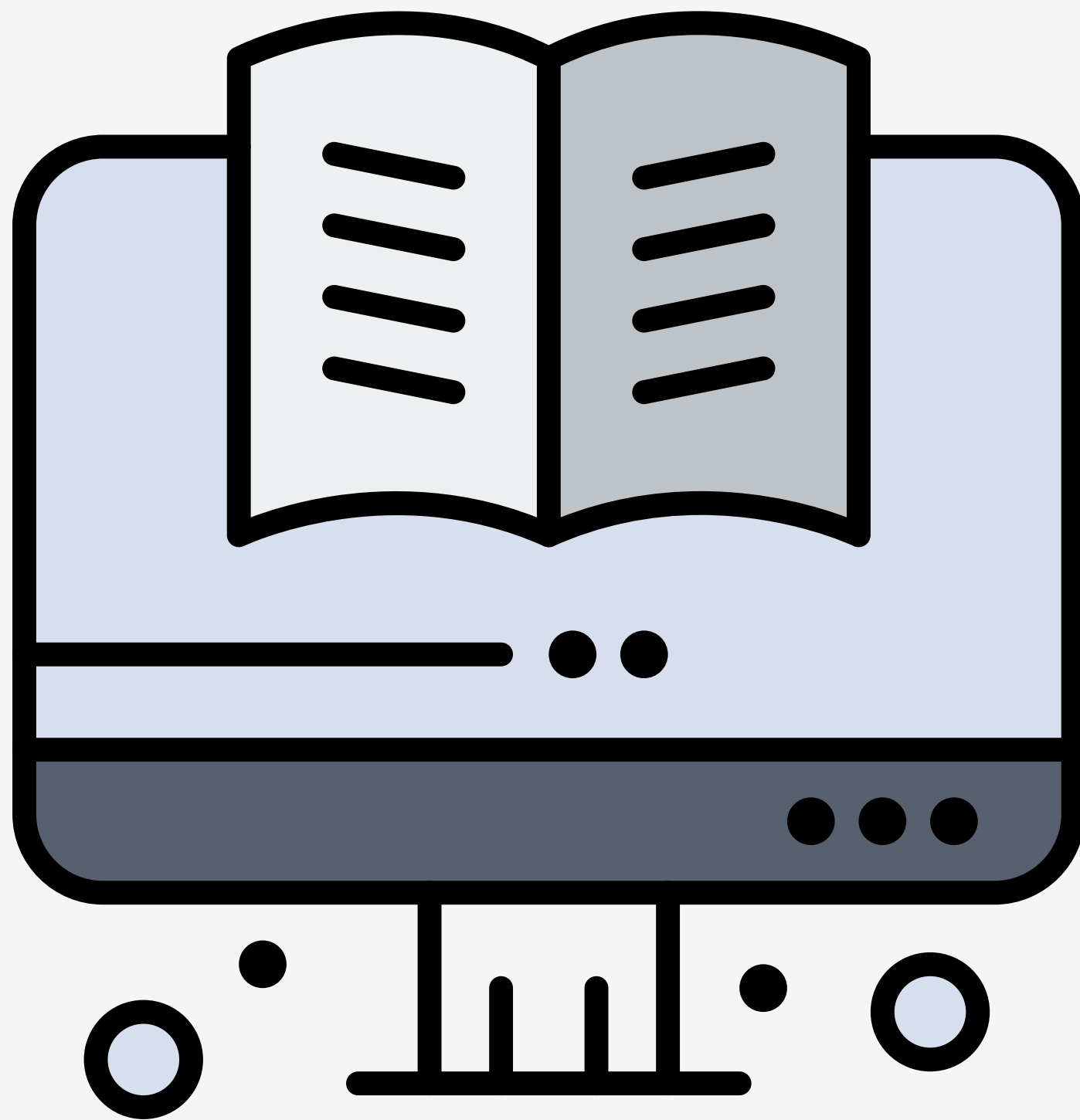
UPDATE

```sql
-- Update the `director` for the movie with
-- the `movie_title` 'Transcendence'
UPDATE `movies`
SET `director` = 'Wally Pfister'
WHERE `movie_title` = 'Transcendence'
LIMIT 1;
```
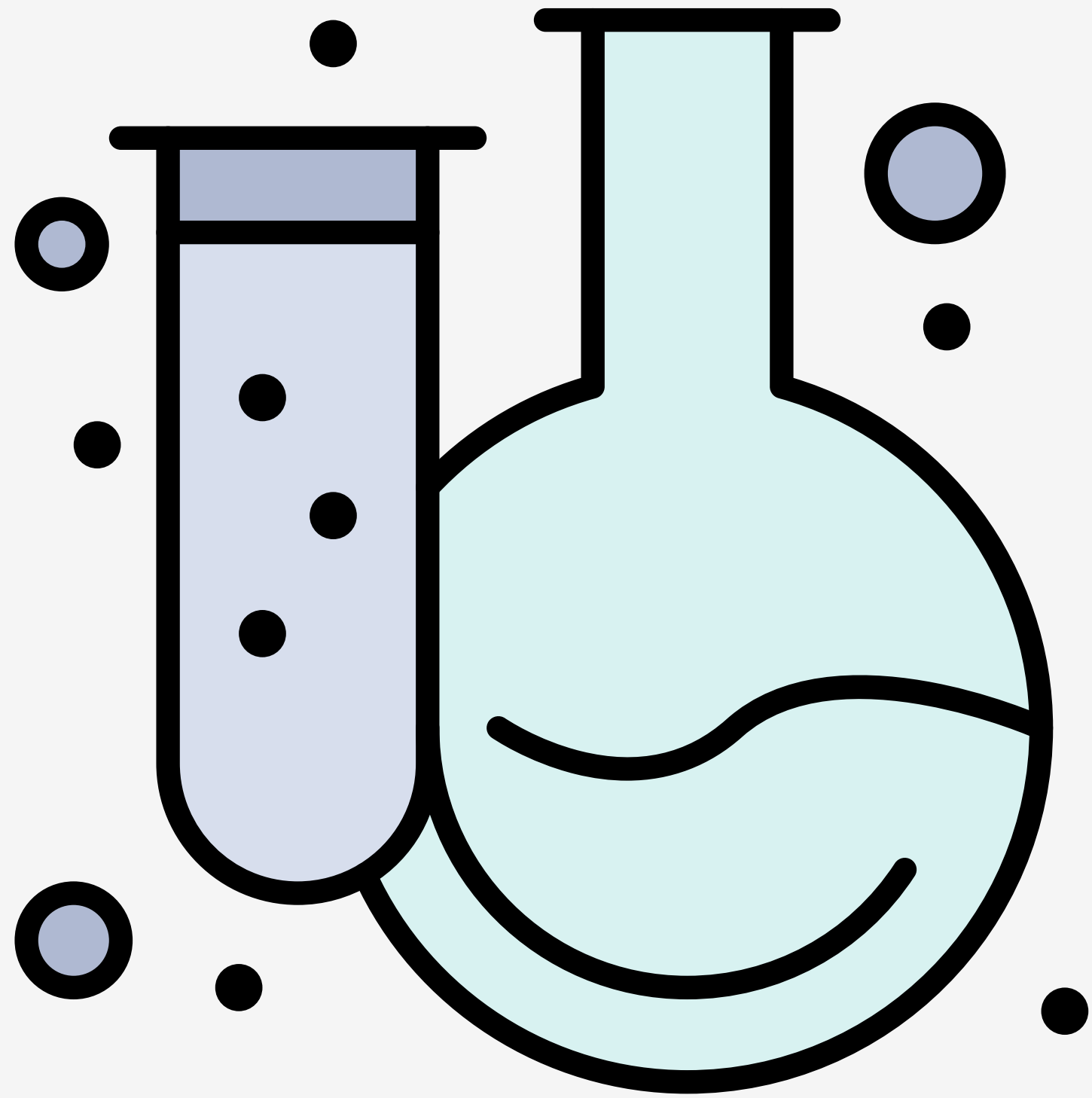
DELETE STATEMENTS

DELETE STATEMENTS

- The DELETE is used to remove one or more records from a table

- The FROM clause is used to set the table

- The WHERE clause is used to specify which records should be removed

- If the WHERE clause is omitted, *ALL* records will be removed

- The LIMIT clause can be used to further limit the impact

DELETE

```sql
-- Remove the movie with the movie_id of 24
DELETE
FROM movies
WHERE movie_id = 24
LIMIT 1;
```
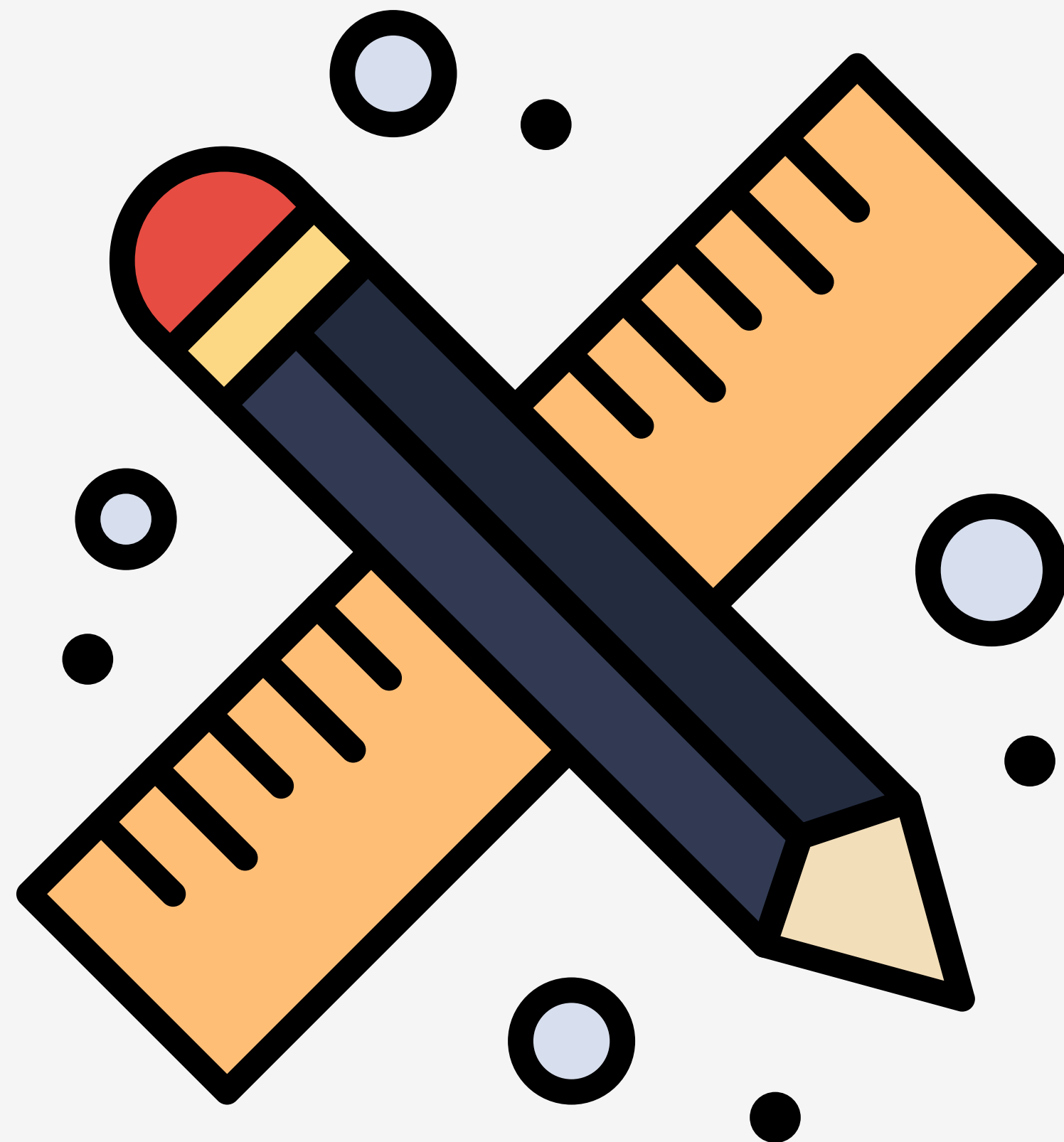
MOVIE MAYHEM II

- *GITHUB CLASSROOM ASSIGNMENT*

- Create *ONE* query for each task

- Use **phpMyAdmin** to run queries

- Save queries to `queries.sql`
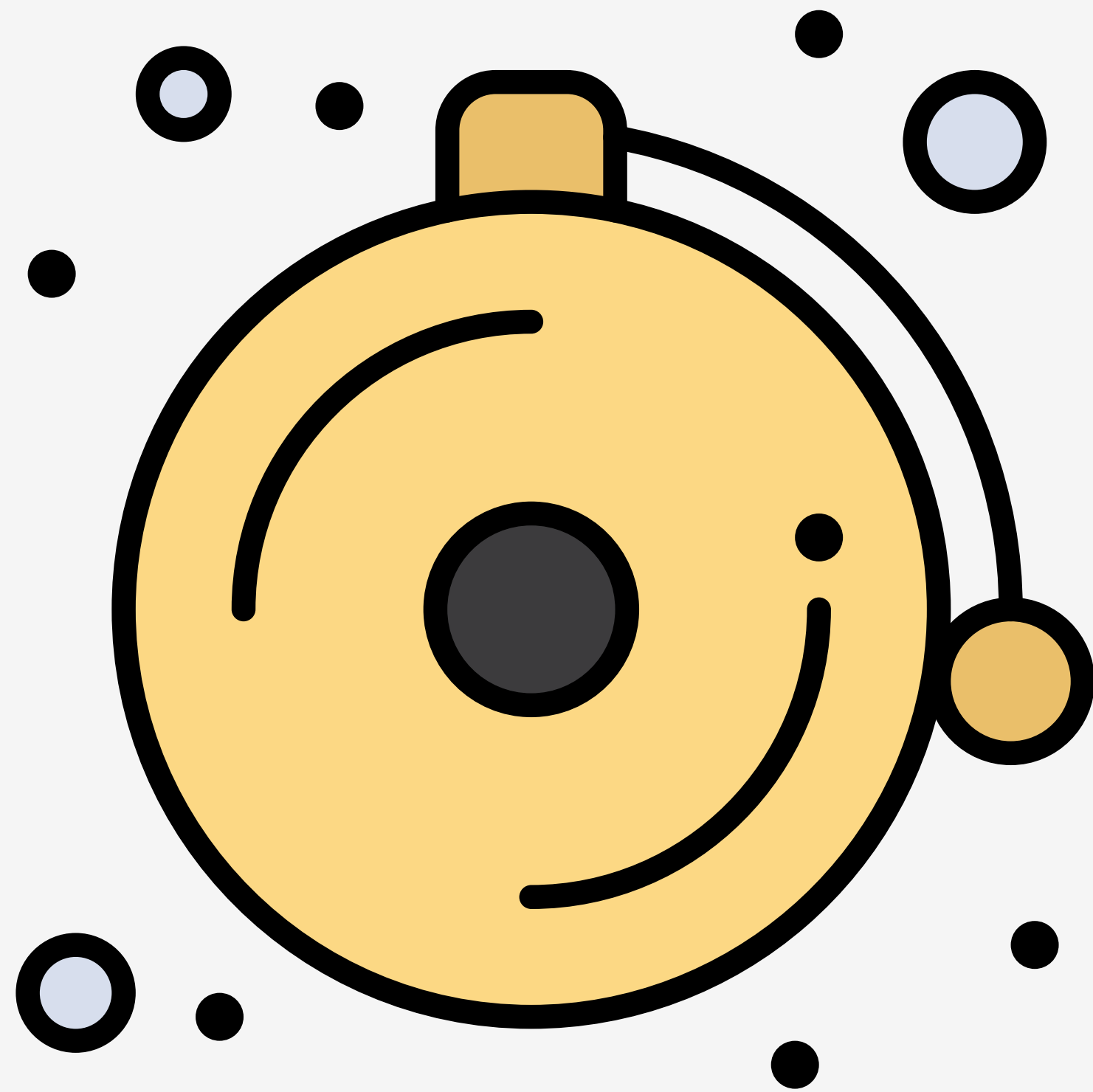
- *DUE:* **Mon. Feb. 3 @ 11:59 PM**

SEUSSOLOGY DB II

- *GITHUB CLASSROOM ASSIGNMENT*

- Import the Seussology DB

- Create *ONE* query for each task

- Use **phpMyAdmin** to run queries

- Save queries to `queries.sql`

- *DUE:* **Mon. Feb 17 @ 11:59 PM**

NEXT TIME...

- SQL Joins and Functions

- **Participation:** Movie Mayhem III