Task 1

Create a table MOVIES with columns: id of type INTEGER, title of type VARCHAR (255), genre of type VARCHAR (255),yearOfRelease of type INTEGER. Note that a table named MOVIES may already exist. In that case, delete it.

Using the JDBC API and any relational database (e.g. MySQL) make the following queries:

* add any three records to the MOVIES table
* update **one** selected record (use the PreparedStatement)
* delete selected record with specified id
* display all other records in the database

In the task, focus on the correct use of the JDBC API. All queries can be made directly in the main method. Use a single connection to execute all queries. However, remember to use try-with-resources when opening a connection and creating objects such as Statement or PreparedStatement. Also, don't worry about exception handling in this task (in case of error, display stacktrace).

Task 2

Implement the class MovieDAO (DAO - Data Access Object). It should perform basic database operations for the MOVIES table, the structure of which is described in task 1. Assume that an object representing an open database connection comes in the constructor of this class. Remember to use PreparedStatement where possible and close objects (use try-with-resources). Also implement a Movie class that represents a single row in the MOVIES table that you will use in implementing the MovieDAO class.

Implement the following operations. Each of them should be represented by a separate public method:

* adding a record
* delete record by identifier
* update of the movie title with id data
* searching for a movie by ID
* to display all the records