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Class SYMCA

Roll No. 54

Question no 6: Read movie data from a file and insert it into database

<Source Code>

import java.io.\*;

import java.sql.\*;

public class MoviesToDB {

    public static void main(String[] args) {

        String jdbcURL = "jdbc:mysql://localhost:3306/imdbtopmovies";

        String username = "root";

        String password = "root";

        String csvFilePath = "movies.csv";

        int batchSize = 20;

        Connection connection = null;

        try {

            connection = DriverManager.getConnection(jdbcURL, username, password);

            connection.setAutoCommit(false);

            String sql = "INSERT INTO movies (movieid, rating, title, year) VALUES (?, ?, ?, ?)";

            PreparedStatement statement = connection.prepareStatement(sql);

            BufferedReader lineReader = new BufferedReader(new FileReader(csvFilePath));

            String lineText = null;

            int count = 0;

            lineReader.readLine(); // skip header line

            while ((lineText = lineReader.readLine()) != null) {

                String[] data = lineText.split(",");

                String movieid = data[0];

                String rating = data[1];

                String title = data[2];

                String year = data[3];

                year.substring(1,year.length());

                statement.setString(1, movieid);

                Float fRating = Float.parseFloat(rating);

                statement.setFloat(2, fRating);

                statement.setString(3, title);

                statement.setString(4, year);

                statement.addBatch();

                if (count % batchSize == 0) {

                    statement.executeBatch();

                }

            }

            lineReader.close();

            // execute the remaining queries

            statement.executeBatch();

            connection.commit();

            connection.close();

        } catch (IOException ex) {

            System.err.println(ex);

        } catch (SQLException ex) {

            ex.printStackTrace();

            try {

                connection.rollback();

            } catch (SQLException e) {

                e.printStackTrace();

            }

        }

    }

}

<OUTPUT in MySql DB>

