package mymovies;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

import java.util.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

/\*\*

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public class MyMovies {

private static Connection con;

// private Statement st;

private static boolean hasData = false;

public ResultSet displayMovies() throws ClassNotFoundException, SQLException {

System.out.println("DISPLAYING");

if(con==null){System.out.println("No Connection yet");getConnection();}

Statement state = con.createStatement();

ResultSet res = state.executeQuery("SELECT \* FROM Movies");

return res;

}

public ResultSet actorMovies(String actor) throws ClassNotFoundException, SQLException {

System.out.println("Inside actorMovies");

if(con==null){System.out.println("No Connection yet");getConnection();}

Statement state = con.createStatement();

PreparedStatement prep = con.prepareStatement("SELECT \* FROM Movies WHERE actor= ?");

prep.setString(1, actor);

ResultSet res = prep.executeQuery();

return res;

}

public void getConnection() throws ClassNotFoundException, SQLException

{

Class.forName("org.sqlite.JDBC");

con=DriverManager.getConnection("jdbc:sqlite:Moviesdb.db");

initialise();

System.out.println("CONNECTION SUCCESSFUL");

}

private void initialise() throws SQLException, ClassNotFoundException {

if (!hasData) {

//System.out.println("Empty");

hasData = true;

Statement state = con.createStatement();

ResultSet res = state.executeQuery("SELECT name FROM sqlite\_master WHERE type='table' AND name='Movies'");

//System.out.println("Check if exists");

if(!res.next()) {

System.out.println("Movies table NOT FOUND");

System.out.println("CREATING Movies table with values");

//creating Movie Table

Statement state2 = con.createStatement();

state2.execute("CREATE TABLE Movies (id integer,"+"name varchar(60),"

+"actor varchar(60),"+"actress varchar(60),"

+"director varchar(60),"+"year integer,"+"primary key(id));");

//Insert Data

PreparedStatement prep = con.prepareStatement("INSERT INTO Movies values(?,?,?,?,?,?);");

prep.setString(2, "Avengers: Endgame");

prep.setString(3, "Robert");

prep.setString(4, "Brie Larson");

prep.setString(5, "Anthony Russo");

prep.setInt(6, 2019);

prep.execute();

PreparedStatement prep2 = con.prepareStatement("INSERT INTO Movies values(?,?,?,?,?,?);");

prep2.setString(2, "Avengers: Infinity War");

prep2.setString(3, "Robert");

prep2.setString(4, "Scarlett Johansson");

prep2.setString(5, "Joe Russo1");

prep2.setInt(6, 2018);

prep2.execute();

addMovie("Shang-chi","Simu","Awkwafina","Destin Daniel Cretton",2021);

addMovie("Doctor Strange","Benedict","Tilda Swinton","Scott Derrickson",2016);

addMovie("Black Panther","Chadwick","Latita Wright","Ryan Coogler",2018);

addMovie("Ant-Man","Paul","Evangeline Lilly","Peyton Reed",2015);

addMovie("Iron Man","Robert","Gwyneth Paltrow","Shane Black",2008);

}

}

}

public void addMovie(String name, String actor, String actress, String director, int year) throws ClassNotFoundException, SQLException {

if(con==null){getConnection();}

PreparedStatement prep = con.prepareStatement("INSERT INTO Movies values(?,?,?,?,?,?);");

prep.setString(2, name);

prep.setString(3, actor);

prep.setString(4, actress);

prep.setString(5, director);

prep.setInt(6, year);

prep.execute();

}

public static void main(String[] args) {

int flag=0;

Scanner sc=new Scanner(System.in);

MyMovies obj=new MyMovies();

ResultSet rs;

try {

rs = obj.displayMovies();

System.out.println("id"+"| "+"name"+" | "+"actor"+" | "+"actress"+" | "+"director"+" | "+"year");

while(rs.next()) {

System.out.println(rs.getInt("id")+" | "

+rs.getString("name")+" | "

+rs.getString("actor")+" | "

+rs.getString("actress")+" | "

+rs.getString("director")+" | "

+rs.getInt("year"));

}

System.out.println("Enter Actor name");

String str=sc.nextLine();

rs = obj.actorMovies(str);

System.out.println("id"+"| "+"name"+" | "+"actor"+" | "+"actress"+" | "+"director"+" | "+"year");

while(rs.next()) {

System.out.println(rs.getInt("id")+" | "

+rs.getString("name")+" | "

+rs.getString("actor")+" | "

+rs.getString("actress")+" | "

+rs.getString("director")+" | "

+rs.getInt("year"));

flag=1;

}

if(flag==0){System.out.println("Actor Not Found");};

} catch (ClassNotFoundException ex) {

Logger.getLogger(MyMovies.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(MyMovies.class.getName()).log(Level.SEVERE, null, ex);

}

}

}