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A Film and TV Series Database Application

implemented using JDBC and JAVA

Synopsis

As promised in the abstract we have implemented a Film and TV Series application using JDBC for the Oracle database connection and JAVA for the UI design. Three classes of users have been defined:

1. admin- The administrator possesses both read and write privileges on the database through the application.

2. aux\_admin- The auxiliary administrator possesses only write privileges on the database.

3. user- The user is the consumer of the application and therefor possesses only read privileges.

The read queries are classified into two classes:

1. Entity Specific Query- This type of query allows the user to obtain in- depth information about a specific film/series.

2. Query Listing Entites with Same Attribute Values- This type of query lists the film(s)/series which possess a common attribute, say, same genre, director or actor.

Note:- The only limitation of the application is the entry of awards for various entities, hence, it is assumed that entities who have received awards are already in the database.

DDL Commands

drop table awards;

drop table film\_awards;

drop table film;

drop table director;

drop table screenwriter;

drop table composer;

drop table film\_cast;

drop table tv\_awards;

drop table series;

drop table creator;

drop table writer;

drop table network;

drop table tv\_cast;

---films

create table director(

dir\_id varchar2(3) primary key,

name varchar2(30) not null,

avg\_box float(8) not null,

avg\_imdb float(8) not null

);

create table screenwriter(

sc\_id varchar2(3) primary key,

name varchar2(30)not null,

avg\_box float(8)not null,

avg\_imdb float(8) not null

);

create table composer(

comp\_id varchar2(3) primary key,

name varchar2(30) not null

);

create table film\_cast(

cas\_id varchar2(3) primary key,

lead\_actor varchar2(30),

lead\_actress varchar2(30),

supp\_actor varchar2(30),

supp\_actress varchar2(30)

);

create table film\_awards(

id varchar2(3) primary key,

oscars number(2) not null,

golden\_globes number(2) not null

);

create table film(

id varchar2(3) primary key,

title varchar2(40) not null,

year number(4) not null,

genre varchar2(20) not null,

dir\_id varchar2(3) not null,

sc\_id varchar2(3) not null,

cas\_id varchar2(3) not null,

comp\_id varchar2(3),

imdb float(8),

rot\_tom float(8),

budget number(10) not null,

box\_office number(15) not null,

check (budget>0 and box\_office>0),

foreign key(dir\_id) references director(dir\_id) on delete cascade,

foreign key(sc\_id) references screenwriter(sc\_id) on delete cascade,

foreign key(cas\_id) references film\_cast(cas\_id) on delete cascade,

foreign key(comp\_id) references composer(comp\_id) on delete cascade

);

--- film entries

--- director

insert into director values

('D01','Irvin Kershner',45,6.57);

insert into director values

('D02','Tom Hooper',23,5.41);

insert into director values

('D03','Chris Morris',69,6.12);

insert into director values

('D04','Joe Wright',96,8.48);

insert into director values

('D05','Jonathan Demme',23,4.24);

insert into director values

('D06','Francis Ford Coppola',50,6.21);

insert into director values

('D07','Lana Wachowski',83,4.27);

insert into director values

('D08','Jon M Chu',74,6.35);

insert into director values

('D09','Dean DeBlois',45,7.35);

insert into director values

('D10','Ron Howard',43,9.53);

insert into director values

('D11','Manoj N Shyamalan',35,8.34);

insert into director values

('D12','Morten Tyldum',48,6.52);

insert into director values

('D13','Bryan Singer',98,4.13);

insert into director values

('D14','Steven Spielberg',67,7.30);

insert into director values

('D15','Brad Bird',108,8.74);

insert into director values

('D16','James Mangold',116,6.24);

insert into director values

('D17','John Lee Hancock',77,6.09);

insert into director values

('D18','Christopher Nolan',54,5.65);

insert into director values

('D19','Wes Anderson',30,7.90);

insert into director values

('D20','Sriram Raghavan',59,9.35);

insert into director values

('D21','Ben Stiller',45,6.11);

insert into director values

('D22','Nora Ephron',33,8.40);

insert into director values

('D23','Scott Derrickson',129,8.93);

insert into director values

('D24','Ashwiny Tiwari',91,9.32);

insert into director values

('D25','Todd Philips',55,9.62);

insert into director values

('D26','Armando Iannucci',63,8.76);

insert into director values

('D27','Susanne Bier',118,9.86);

insert into director values

('D28','Alex Garland',29,9.65);

insert into director values

('D29','David Lynch',36,5.66);

insert into director values

('D30','Ridley Scott',103,9.20);

insert into director values

('D31','Damien Chazelle',10,5.98);

insert into director values

('D32','John Krasinski',113,9.55);

insert into director values

('D33','Spike Lee',22,9.65);

insert into director values

('D34','Guillermo del Toro',35,8.49);

insert into director values

('D35','Hayao Miyazaki',102,9.80);

insert into director values

('D36','Isao Takahata',30,9.84);

insert into director values

('D37','Stephen Daldry',59,7.36);

insert into director values

('D38','Andrew Stanton',85,6.08);

insert into director values

('D39','Bill Paxton',88,5.10);

insert into director values

('D40','Peter Ramsey',87,9.82);

insert into director values

('D41','David O. Russell',117,7.47);

--- screenwriter

insert into screenwriter values

('S01','Lawrence Kasdan',82,9.37);

insert into screenwriter values

('S02','David Seidler',83,4.82);

insert into screenwriter values

('S03','Simon Blackwell',33,6.43);

insert into screenwriter values

('S04','Jane Austen',63,6.30);

insert into screenwriter values

('S05','Ted Tally',30,8.29);

insert into screenwriter values

('S06','Mario Puzo',21,5.05);

insert into screenwriter values

('S07','Lily Wachowski',32,7.04);

insert into screenwriter values

('S08','Kevin Kwan',96,8.38);

insert into screenwriter values

('S09','Cressida Cowell',86,4.67);

insert into screenwriter values

('S10','Sylvia Nasar',79,7.77);

insert into screenwriter values

('S11','Manoj N Shyamalan',39,6.44);

insert into screenwriter values

('S12','Graham Moore',70,4.33);

insert into screenwriter values

('S13','Christopher McQuarrie',63,9.56);

insert into screenwriter values

('S14','Thomas Keneally',42,6.51);

insert into screenwriter values

('S15','Brad Bird',32,8.87);

insert into screenwriter values

('S16','James Mangold',96,9.81);

insert into screenwriter values

('S17','Kelly Marcel',10,8.84);

insert into screenwriter values

('S18','Jonathan Nolan',41,6.95);

insert into screenwriter values

('S19','Wes Anderson',114,6.30);

insert into screenwriter values

('S20','Sriram Raghavan',70,7.21);

insert into screenwriter values

('S21','Steven Conrad',45,8.19);

insert into screenwriter values

('S22','Nora Ephron',35,6.40);

insert into screenwriter values

('S23','Stan Lee',39,7.38);

insert into screenwriter values

('S24','Nitesh Tiwari',61,6.98);

insert into screenwriter values

('S25','Jon Lucas',115,6.29);

insert into screenwriter values

('S26','Armando Iannucci',67,9.94);

insert into screenwriter values

('S27','Eric Heisserer',40,9.15);

insert into screenwriter values

('S28','Doris Kearns Goodwin',63,5.23);

insert into screenwriter values

('S29','Alex Garland',85,5.22);

insert into screenwriter values

('S30','David Lynch',96,5.51);

insert into screenwriter values

('S31','Drew Goddard',58,7.76);

insert into screenwriter values

('S32','Damien Chazelle',57,6.02);

insert into screenwriter values

('S33','John Krasinski',68,8.25);

insert into screenwriter values

('S34','Ron Stallworth',118,6.37);

insert into screenwriter values

('S35','Guillermo del Toro',125,8.15);

insert into screenwriter values

('S36','Hayao Miyazaki',22,8.47);

insert into screenwriter values

('S37','Riko Sakaguchi',33,5.63);

insert into screenwriter values

('S38','Jonathan Safran Foer',122,8.49);

insert into screenwriter values

('S39','Andrew Stanton',33,7.86);

insert into screenwriter values

('S40','Mark Frost',70,8.95);

insert into screenwriter values

('S41','David O, Russell',128,9.82);

--- composer

insert into composer values

('M01','John Williams');

insert into composer values

('M02','Alexandre Desplat');

insert into composer values

('M03','Dario Marianelli');

insert into composer values

('M04','Howard Shore');

insert into composer values

('M05','Nino Rota');

insert into composer values

('M06','Don Davis');

insert into composer values

('M07','Brian Tyler');

insert into composer values

('M08','John Powell');

insert into composer values

('M09','James Horner');

insert into composer values

('M10','James Newton Howard');

insert into composer values

('M11','John Ottman');

insert into composer values

('M12','West Dylan Thordson');

insert into composer values

('M13','Michael Giacchino');

insert into composer values

('M14','Marco Beltrami');

insert into composer values

('M15','Thomas Newman');

insert into composer values

('M16','Hans Zimmer');

insert into composer values

('M17','David Julyan');

insert into composer values

('M18','Amit Trivedi');

insert into composer values

('M19','Jose Gonzalez');

insert into composer values

('M20','George Fenton');

insert into composer values

('M21','Tanishk Bagchi');

insert into composer values

('M22','Christophe Beck');

insert into composer values

('M23','Christopher Willis');

insert into composer values

('M24','Trent Reznor');

insert into composer values

('M25','Geoff Barrow');

insert into composer values

('M26','Angelo Badalamenti');

insert into composer values

('M27','Harry Gregson-Williams');

insert into composer values

('M28','Justin Hurwitz');

insert into composer values

('M29','Terence Blanchard');

insert into composer values

('M30','Ramin Djawadi');

insert into composer values

('M31','Joe Hisaishi');

insert into composer values

('M32','Daniel Pemberton');

insert into composer values

('M33','Danny Elfman');

--- film\_awards

insert into film\_awards values

('D02',14,6);

insert into film\_awards values

('D08',4,6);

insert into film\_awards values

('D15',8,9);

insert into film\_awards values

('D17',4,16);

insert into film\_awards values

('D18',13,18);

insert into film\_awards values

('D20',8,19);

insert into film\_awards values

('D34',8,0);

insert into film\_awards values

('D37',17,3);

insert into film\_awards values

('D39',11,0);

insert into film\_awards values

('D43',15,9);

insert into film\_awards values

('S07',17,2);

insert into film\_awards values

('S10',0,4);

insert into film\_awards values

('S12',6,15);

insert into film\_awards values

('S26',3,2);

insert into film\_awards values

('S28',17,2);

insert into film\_awards values

('S29',8,1);

insert into film\_awards values

('S30',4,4);

insert into film\_awards values

('S33',5,3);

insert into film\_awards values

('S37',8,11);

insert into film\_awards values

('S40',16,3);

insert into film\_awards values

('S41',13,6);

insert into film\_awards values

('S42',13,7);

insert into film\_awards values

('M01',18,16);

insert into film\_awards values

('M13',13,14);

insert into film\_awards values

('M20',9,2);

insert into film\_awards values

('M21',12,14);

insert into film\_awards values

('M23',16,15);

insert into film\_awards values

('M26',6,17);

insert into film\_awards values

('M28',4,3);

insert into film\_awards values

('M31',15,16);

insert into film\_awards values

('M36',12,2);

insert into film\_awards values

('F14',13,1);

insert into film\_awards values

('F28',17,2);

insert into film\_awards values

('F27',17,18);

insert into film\_awards values

('F39',12,13);

insert into film\_awards values

('F37',5,2);

insert into film\_awards values

('F22',15,10);

insert into film\_awards values

('F02',1,6);

insert into film\_awards values

('F36',2,5);

insert into film\_awards values

('F30',8,14);

insert into film\_awards values

('F29',5,11);

insert into film\_awards values

('F25',15,15);

--- film\_cast entries

insert into film\_cast values

('C01','Mark Hamill','Carrie Fisher','Harrison Ford',null);

insert into film\_cast values

('C02','Colin Firth','Helena Bonham Carter','Geofferey Rush','Jennifer Ehle');

insert into film\_cast values

('C03','Riz Ahmed',null,'Kayvan Novak',null);

insert into film\_cast values

('C04','Matthew MacFayden','Keira Knightley','Simon Woods','Rosamund Pike');

insert into film\_cast values

('C05','Sir Anthony Hopkins','Jodie Foster','Scott Glenn',null);

insert into film\_cast values

('C06','Al Pacino','Diane Keaton','Marlon Brando','Talia Shire');

insert into film\_cast values

('C07','Keanu Reeves','Carrie-Anne Moss','Laurence Fishburne',null);

insert into film\_cast values

('C08','Al Pacino','Diane Keaton','Fred Kazan','Talia Shire');

insert into film\_cast values

('C09','Henry Golding Jr.','Constance Wu','Chris Pang','Michelle Yeoh');

insert into film\_cast values

('C10','Jay Baruchel','Cate Blanchett','Gerard Butler','America Ferrera');

insert into film\_cast values

('C11','Al Pacino','Diane Keaton','Andy Garcia','Talia Shire');

insert into film\_cast values

('C12','Russel Crowe','Jennifer Connelly','Ed Harris',null);

insert into film\_cast values

('C13','Haley Joel Osment','Toni Collette','Bruce Willis',null);

insert into film\_cast values

('C14','Benedict Cumberbatch','Keira Knightley','Matthew Goode',null);

insert into film\_cast values

('C15','Kevin Spacey',null,'Stephen Baldwin',null);

insert into film\_cast values

('C16','Liam Neeson','Caroline Goodall','Ben Kingsley','Embeth Davidtz');

insert into film\_cast values

('C17','James McAvoy','Anya Taylor-Joy','null','null');

insert into film\_cast values

('C18','Patton Oswalt','Janeane Garofalo','Brad Garrett','null');

insert into film\_cast values

('C19','Hugh Jackman','Dafne Keen','Patrick Stewart','null');

insert into film\_cast values

('C20','Tom Hanks','Emma Thompson','null','null');

insert into film\_cast values

('C21','Christian Bale','Maggie Gyllenhaal','Heath Ledger','null');

insert into film\_cast values

('C22','Ralph Fiennes','Saoirse Ronan','Tony Revolori','null');

insert into film\_cast values

('C23','Guy Pearce','Carrie-Anne Moss','Joe Pantoliano','Jorja Fox');

insert into film\_cast values

('C24','Ayushman Khurrana','Tabu','Zakir Hussain','Radhika Apte');

insert into film\_cast values

('C25','Bruce Willis','null','Samuel L. Jackson','null');

insert into film\_cast values

('C26','Ben Stiller','Kristen Wiig','Sean Penn','Lily Tomlin');

insert into film\_cast values

('C27','Christiam Bale','Scarlett Johannson','Hugh Jackman','Rebecca Hall');

insert into film\_cast values

('C28','Tom Hanks','Meg Ryan','Greg Kinnear','Jean Stapleton');

insert into film\_cast values

('C29','Benedict Cumberbatch','Tild Swinton','Chiwetel Ejiofor','Rachel McAdams');

insert into film\_cast values

('C30','Ayushman Khurrana','Kriti Sanon','Rajkumar Rao','Swati Semwal');

insert into film\_cast values

('C31','Bradley Cooper','null','Zach Galifianakis','null');

insert into film\_cast values

('C32','Steve Buscemi','null','Simon Russell Beale','Olga Kurylenko');

insert into film\_cast values

('C33','null','Sandra Bullock','Trevante Rhodes','Sarah Paulson');

insert into film\_cast values

('C34','Daniel-Day Lewis','Sally Field','David Strathairn','null');

insert into film\_cast values

('C35','null','Natalie Portman','null','Gina Rodriguez');

insert into film\_cast values

('C36','Justin Theroux','Naomi Watts','Rober Forster','Laura Harring');

insert into film\_cast values

('C37','Matt Damon','Jessica Chastain','Chiwetel Ejiofor','Kate Mara');

insert into film\_cast values

('C38','Ryan Gosling','Claire Foy','Jason Clarke','Olivia Hamilton');

insert into film\_cast values

('C39','John Krasinski','Emily Blunt','Noah Jupe','Millicent Simmonds');

insert into film\_cast values

('C40','John David Washington','Laura Harrier','Adam Driver ','null');

insert into film\_cast values

('C41','Charlie Day','Rinko Kikuchi','Idris Elba','null');

insert into film\_cast values

('C42','Christian Bale','Emily Mortimer','Billy Crystal','Jean Simmons');

insert into film\_cast values

('C43','Darren Criss','Chloe Grace Moretz','James Caan','Mary Steenburgen');

insert into film\_cast values

('C44','Thomas Horn','Sandra Bullock','Max von Sydow','Viola Davis');

insert into film\_cast values

('C45','Albert Brooks','Ellen DeGeneres','Alexander Gould','Allison Janney');

insert into film\_cast values

('C46','Shia LaBeouf','Peyton List','Stephen Dillane','null');

insert into film\_cast values

('C47','Shameik Moore','Hailee Steinfeld','Jake Johnson','Lily Tomlin');

insert into film\_cast values

('C48','Bradley Cooper','Jennifer Lawrence','Robert DeNiro','Jacki Weaver');

---film

insert into film values

('F01','Star Wars: The Empire Strikes Back',1980,'Sci-fi','D01','S01','C01','M01',7.84,63.06,85,57);

insert into film values

('F02','The King''s Speech',2010,'Drama','D02','S02','C02','M02',8.93,92.01,67,102);

insert into film values

('F03','Four Lions',2010,'Comedy','D03','S03','C03',null,5.74,99.29,95,152);

insert into film values

('F04','Pride and Prejudice',2005,'Drama','D04','S04','C04','M03',6.91,39.62,82,431);

insert into film values

('F05','The Silence of the Lambs',1991,'Thriller','D05','S05','C05','M04',5.99,71.96,84,41);

insert into film values

('F06','The Godfather',1972,'Drama','D06','S06','C06','M05',7.43,58.16,36,254);

insert into film values

('F07','The Matrix',1999,'Sci-fi','D07','S07','C07','M06',9.62,53.58,84,100);

insert into film values

('F08','The Godfather Part II',1974,'Drama','D06','S06','C08','M05',8.22,59.03,40,347);

insert into film values

('F09','Crazy Rich Asians',2018,'Comedy','D08','S08','C09','M07',7.69,38.21,78,296);

insert into film values

('F10','How to Train Your Dragon 2',2014,'Comedy','D09','S09','C10','M08',5.75,47.29,37,402);

insert into film values

('F11','The Godfather Part III',1990,'Drama','D06','S06','C11','M05',4.24,82.62,43,484);

insert into film values

('F12','A Beautiful Mind',2001,'Biography','D10','S10','C12','M09',9.43,48.22,87,407);

insert into film values

('F13','The Sixth Sense',1999,'Thriller','D11','S11','C13','M10',5.58,40.07,54,208);

insert into film values

('F14','The Imitation Game',2014,'Biography','D12','S12','C14','M02',7.5,39.77,36,10);

insert into film values

('F15','The Usual Suspects',1995,'Thriller','D13','S13','C15','M11',5.27,34.63,95,355);

insert into film values

('F16','Schindler''s List',1993,'Drama','D14','S14','C16','M01',7.11,50.82,211,393);

insert into film values

('F17','Split',2016,'Thriller','D11','S11','C17','M12',8.70,78.45,190,193);

insert into film values

('F18','Ratatouille',2007,'Fantasy','D15','S15','C18','M13',8.53,65.59,104,194);

insert into film values

('F19','Logan',2017,'Drama','D16','S16','C19','M14',5.61,70.89,246,508);

insert into film values

('F20','Saving Mr. Banks',2013,'Drama','D17','S17','C20','M15',9.02,53.31,111,97);

insert into film values

('F21','The Dark Knight',2008,'Thriller','D18','S18','C21','M16',4.50,40.95,145,583);

insert into film values

('F22','The Grand Budapest Hotel',2014,'Comedy','D19','S19','C22','M02',4.16,44.71,108,694);

insert into film values

('F23','Memento',2000,'Crime','D18','S18','C23','M17',5.76,53.97,191,578);

insert into film values

('F24','Andhaadhun',2018,'Crime','D20','S20','C24','M18',7.00,59.49,114,248);

insert into film values

('F25','Unbreakable',2000,'Mystery','D11','S11','C25','M10',7.45,95.08,48,167);

insert into film values

('F26','The Secret Life of Walter Mitty',2013,'Fantasy','D21','S21','C26','M19',4.39,61.17,227,207);

insert into film values

('F27','The Prestige',2006,'Thriller','D18','S18','C27','M16',8.63,56.16,21,522);

insert into film values

('F28','You''ve Got Mail',1998,'Romance','D22','S22','C28','M20',7.52,92.12,36,497);

insert into film values

('F29','Doctor Strange',2016,'Fantasy','D23','S23','C29','M13',8.49,60.77,106,327);

insert into film values

('F30','Bareilly ki Barfi',2017,'Romance','D24','S24','C30','M21',4.94,66.13,55,64);

insert into film values

('F31','The Hangover',2009,'Comedy','D25','S25','C31','M22',5.97,43.55,280,166);

insert into film values

('F32','The Death of Stalin',2017,'Comedy','D26','S26','C32','M23',7.89,91.24,244,242);

insert into film values

('F33','Birdbox',2018,'Thriller','D27','S27','C33','M24',7.93,49.71,208,444);

insert into film values

('F34','Lincoln',2012,'Drama','D14','S28','C34','M01',8.81,92.68,270,498);

insert into film values

('F35','Annihilation',2018,'Thriller','D27','S29','C35','M25',5.48,74.69,69,220);

insert into film values

('F36','Mulolhand Drive',2001,'Mystery','D29','S30','C36','M26',7.99,44.70,121,326);

insert into film values

('F37','The Martian',2015,'Drama','D30','S31','C37','M27',6.80,96.47,163,145);

insert into film values

('F38','First Man',2018,'Fiction','D31','S32','C38','M28',9.50,81.31,42,512);

insert into film values

('F39','A Quiet Place',2018,'Thriller','D32','S33','C39',null,6.52,41.36,126,158);

insert into film values

('F40','Blackkklansman',2018,'Crime','D33','S34','C40','M29',7.94,66.19,216,504);

insert into film values

('F41','Pacific rim',2013,'Fiction','D34','S35','C41','M30',8.38,43.28,120,418);

insert into film values

('F42','Howl''s Moving Castle',2004,'Fantasy','D35','S36','C42','M31',5.03,60.93,118,612);

insert into film values

('F43','The Tale of the Princess Kaguya',2013,'Fantasy','D36','S37','C43','M31',7.12,96.07,261,621);

insert into film values

('F44','Extremely Loud and Incredibly Close',2011,'Mystery','D37','S38','C44','M02',7.00,68.84,126,551);

insert into film values

('F45','Finding Nemo',2003,'Comedy','D38','S15','C45','M15',4.42,54.97,193,66);

insert into film values

('F46','The Greatest Game Ever Played',2005,'Drama','D39','S39','C46','M07',6.53,67.74,81,304);

insert into film values

('F47','Spider-man Into the Spider-verse',2018,'Fiction','D40','S40','C47','M32',4.01,78.59,62,331);

insert into film values

('F48','Silver Lining''s Playbook',2012,'Comedy','D41','S41','C48','M33',7.28,75.63,251,400);

----series

create table creator(

cr\_id varchar2(4) primary key,

name varchar2(30) not null,

avg\_nielsen float(8) not null,

avg\_imdb float(8) not null

);

create table writer(

wr\_id varchar2(4) primary key,

name varchar2(30)not null,

avg\_nielsen float(8)not null,

avg\_imdb float(8) not null

);

create table network(

net\_id varchar2(4) primary key,

name varchar2(30) not null,

budget number(8) not null

);

create table tv\_cast(

cas\_id varchar2(4) primary key,

lead\_actor varchar2(30),

lead\_actress varchar2(30),

supp\_actor varchar2(30),

supp\_actress varchar2(30)

);

create table tv\_awards(

id varchar2(4) primary key,

emmys number(2) not null,

golden\_globes number(2) not null

);

create table series(

id varchar2(4) primary key,

title varchar2(40) not null,

s\_year number(4) not null,

e\_year number(4),

seasons number(4) not null,

genre varchar2(20) not null,

cr\_id varchar2(4) not null,

wr\_id varchar2(4) not null,

cas\_id varchar2(4) not null,

net\_id varchar2(4),

imdb float(8),

rot\_tom float(8),

budget number(10) not null,

nielsen number(8) not null,

check (budget>0 and nielsen>0),

foreign key(cr\_id) references creator(cr\_id) on delete cascade,

foreign key(wr\_id) references writer(wr\_id) on delete cascade,

foreign key(cas\_id) references tv\_cast(cas\_id) on delete cascade,

foreign key(net\_id) references network(net\_id) on delete cascade

);

--- creator entries

insert into creator values

('CR01','J.J. Abrams',125,8.99);

insert into creator values

('CR02','D.B. Weiss',60,9.94);

insert into creator values

('CR03','Julian Fellowes',119,5.52);

insert into creator values

('CR04','Matt Duffer',120,6.69);

insert into creator values

('CR05','Steven Moffat',25,8.16);

insert into creator values

('CR06','Alec Berg',60,5.42);

insert into creator values

('CR07','Chuck Lorre',28,5.36);

insert into creator values

('CR08','Greg Berlanti',59,8.54);

insert into creator values

('CR09','Christopher Lloyd',44,7.76);

insert into creator values

('CR10','Robert Aguirre-Locasa',27,8.34);

insert into creator values

('CR11','Kyohei Ishiguro',77,8.49);

insert into creator values

('CR12','Tetsuro Araki',103,6.64);

insert into creator values

('CR13','Jonathan Lynn',48,7.05);

insert into creator values

('CR14','Hayato Date',71,5.57);

insert into creator values

('CR15','Sue Birtwistle',15,6.97);

insert into creator values

('CR16','Steve Lightfoot',79,9.91);

insert into creator values

('CR17','Clive Exton',113,7.09);

insert into creator values

('CR18','Boran bo Odar',120,7.39);

insert into creator values

('CR19','Kenji Nagasaki',47,9.59);

insert into creator values

('CR20','Lorne Michaels',16,5.12);

insert into creator values

('CR21','Drew Goddard',87,9.16);

insert into creator values

('CR22','Guy Andrews',76,7.36);

insert into creator values

('CR23','John Oliver',16,7.50);

insert into creator values

('CR24','Irwin Allen',126,8.48);

insert into creator values

('CR25','Jack Burditt',79,5.15);

insert into creator values

('CR26','Vince Gilligan',110,8.58);

insert into creator values

('CR27','Anurag Kashyap',46,9.04);

insert into creator values

('CR28','Matt Youngberg',73,9.13);

insert into creator values

('CR29','Chris Brancato',121,8.56);

insert into creator values

('CR30','Elizabeth Meriwether',51,6.52);

insert into creator values

('CR31','David Lynch',20,5.64);

insert into creator values

('CR32','Stephen Colbert',52,7.78);

insert into creator values

('CR33','David Crane',48,5.90);

insert into creator values

('CR34','Frank Darabont',81,9.61);

insert into creator values

('CR35','Seth MacFarlane',96,6.44);

insert into creator values

('CR36','Patrick Graham',76,5.03);

insert into creator values

('CR37','Yasuhiro Irie',60,9.47);

insert into creator values

('CR38','Melissa Rosenberg',67,5.40);

insert into creator values

('CR39','Rick Remender',36,6.04);

insert into creator values

('CR40','Dan Harmon',44,5.02);

insert into creator values

('CR41','Tensai Okamura',72,8.86);

insert into creator values

('CR42','Bill Dubuque',53,5.95);

insert into creator values

('CR43','Robin Green',91,5.62);

--- writer entries

insert into writer values

('WR01','Jonathan Nolan',125,5.15);

insert into writer values

('WR02','George R. R. Martin',88,9.28);

insert into writer values

('WR03','Julian Fellowes',26,5.91);

insert into writer values

('WR04','Ross Duffer',33,5.10);

insert into writer values

('WR05','Mark Gatiss',119,8.92);

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('WR06','Mike Judge',21,6.52);

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('WR07','Bill Prady',126,6.33);

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('WR08','Andrew Kreisberg',52,5.31);

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('WR09','Steven Levitan',110,6.67);

insert into writer values

('WR10','Marisol Nichols',53,8.06);

insert into writer values

('WR11','Naoshi Arakawa',72,5.70);

insert into writer values

('WR12','Tsugumi Ohba',43,6.13);

insert into writer values

('WR13','Antony Jay',49,9.59);

insert into writer values

('WR14','Masashi Kishimoto',27,9.87);

insert into writer values

('WR15','Jane Austen',100,7.53);

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('WR16','Stan Lee',20,5.17);

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('WR17','Agatha Christie',119,8.90);

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('WR18','Jantje Friese',122,8.47);

insert into writer values

('WR19','Kohei Horikoshi',42,8.35);

insert into writer values

('WR20','Tina Fey',17,5.67);

insert into writer values

('WR21','P. G. Wodehouse',124,9.63);

insert into writer values

('WR22','Andrew Samberg',105,7.22);

insert into writer values

('WR23','Liz Stanton',86,6.00);

insert into writer values

('WR24','Matt Sazama',34,5.28);

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('WR25','Shawn Levy',21,6.80);

insert into writer values

('WR26','Peter Gould',30,9.55);

insert into writer values

('WR27','Varun Grover',25,5.56);

insert into writer values

('WR28','Carl Banks',67,6.31);

insert into writer values

('WR29','Carlo Bernard',24,6.12);

insert into writer values

('WR30','J. J. Philbin',97,9.70);

insert into writer values

('WR31','Mark Frost',88,7.95);

insert into writer values

('WR32','Jay Katsir',59,6.41);

insert into writer values

('WR33','Marta Kauffman',30,7.02);

insert into writer values

('WR34','Seth Meyers',89,8.46);

insert into writer values

('WR35','Robert Kirk',36,7.33);

insert into writer values

('WR36','David Zuckerman',14,5.04);

insert into writer values

('WR37','Patrick Graham',108,7.52);

insert into writer values

('WR38','Hiroshi Onogi',32,6.91);

insert into writer values

('WR39','Jeffrey Lieber',32,9.74);

insert into writer values

('WR40','Rick Remender',79,7.04);

insert into writer values

('WR41','Justin Rosland',70,6.33);

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('WR42','Nokaba Suzuki',129,8.09);

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('WR43','Mark Williams',50,6.71);

--- network entries

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('NW01','CBS',92);

insert into network values

('NW02','HBO',109);

insert into network values

('NW03','ITV',98);

insert into network values

('NW04','Netflix',28);

insert into network values

('NW05','BBC',78);

insert into network values

('NW06','CW',84);

insert into network values

('NW07','ABC',112);

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('NW08','A1',66);

insert into network values

('NW09','Madhouse',94);

insert into network values

('NW10','Shounen',88);

insert into network values

('NW11','NBC',64);

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('NW12','AMC',52);

insert into network values

('NW13','Disney',61);

insert into network values

('NW14','FX',107);

insert into network values

('NW15','Fox',114);

insert into network values

('NW16','Funimation',62);

insert into network values

('NW17','SyFy',16);

---tv cast entries

insert into tv\_cast values

('CT01','Michael Emerson','Amy Acker','Jim Caviezel','Sarah Shahi');

insert into tv\_cast values

('CT02','Peter Dinklage','Emilia Clarke','Kit Harrington','Lena Headey');

insert into tv\_cast values

('CT03','Hugh Bonneville','Michelle Dockery','Jim Carter','Phyllis Logan');

insert into tv\_cast values

('CT04','David Harbour','Winona Ryder','Finn Wolfhard','Millie Bobby Brown');

insert into tv\_cast values

('CT05','Peter Capaldi','Jenna Coleman','Matt Smith','Karen Gillan');

insert into tv\_cast values

('CT06','Benedict Cumberbatch','Lara Pulver','Martin Freeman','Amanda Abbington');

insert into tv\_cast values

('CT07','Thomas Middleditch','Amanda Crew','Zach Woods','null');

insert into tv\_cast values

('CT08','Johnny Galecki','Kaley Cuoco','Jim Parsons','Mayim Bialik');

insert into tv\_cast values

('CT09','Sir Anthony Hopkins','Rachel Evan Wood','Jeffrey Wright','Thandie Newton');

insert into tv\_cast values

('CT10','Stephen Amell','Katie Cassidy Rodgers','Colin Donnell','null');

insert into tv\_cast values

('CT11','Ed O''Neill','Sofia Vergara','Ty Burrell','Julie Bowen');

insert into tv\_cast values

('CT12','K. J. Apa','Lili Reinhart','Cole Sprouse','Camila Mendes');

insert into tv\_cast values

('CT13','Natsuki Hanae','Risa Taneda','Ryota Osaka','Ayane Sakura');

insert into tv\_cast values

('CT14','Mamoru Miyano','Aya Hitano','Kappei Yamaguchi','null');

insert into tv\_cast values

('CT15','Paul Eddington','null','Nigel Hawthorne','null');

insert into tv\_cast values

('CT16','Junko Takeuchi','Masako Katsuki','Kazuhiko Inouoe','Chie Nakamura');

insert into tv\_cast values

('CT17','Colin Firth','Jennifer Ehle','Crispin Bonham-Carter','Susannah Harker');

insert into tv\_cast values

('CT18','Jon Bernthal','Amber Rose Revah','Ben Barnes','null');

insert into tv\_cast values

('CT19','David Suchet','null','Hugh Fraser','null');

insert into tv\_cast values

('CT20','Oliver Masucci','Karoline Eichhorn','null','null');

insert into tv\_cast values

('CT21','Daiki Yamashita','Ayane Sakura','Kenta Miyake','null');

insert into tv\_cast values

('CT22','Grant Gustin','Candice Patton','null','null');

insert into tv\_cast values

('CT23','Alec Baldwin','Tina Fey','Tracy Morgan','Jane Krakowski');

insert into tv\_cast values

('CT24','Charlie Cox','Deborah Ann Woll','Elden Henson','null');

insert into tv\_cast values

('CT25','Timothy Spall','Jennifer Saunders','Tim Vine','null');

insert into tv\_cast values

('CT26','Andy Samberg','Melissa Fumero','Andre Braugher','Stephanie Beatriz');

insert into tv\_cast values

('CT27','John Oliver','null','null','null');

insert into tv\_cast values

('CT28','Toby Stephens','Molly Parker','Maxwell Jenkins','null');

insert into tv\_cast values

('CT29','Tim Allen','Nancy Travers','Hector Elizondo','Kaitlyn Dever');

insert into tv\_cast values

('CT30','Bryan Cranston','Anna Gunn','Aaron Paul','null');

insert into tv\_cast values

('CT31','Nawazuddin Siddiqui','null','Saif Ali Khan','null');

insert into tv\_cast values

('CT32','David Tennant','Kate Micucci','Danny Pudi','Toks Olagundoye');

insert into tv\_cast values

('CT33','Pedro Pascal','Paulina Gaitan','Wagner Moura','null');

insert into tv\_cast values

('CT34','Taran Killam','Leighton Meester','Jake Choi','Kimrie Lewis');

insert into tv\_cast values

('CT35','Kyle MacLachlan','Madchen Amick','Michael Ontkean','Lara Flynn Boyle');

insert into tv\_cast values

('CT36','Stephen Colbert','null','null','null');

insert into tv\_cast values

('CT37','Matthew Perry','Courtney Cox','David Schwimmer','Jennifer Aniston');

insert into tv\_cast values

('CT38','Seth Meyers','Aidy Bryant','Bill Hader ','Kate McKinnon');

insert into tv\_cast values

('CT39','Andrew Lincoln','Lauren Cohan','Norman Reedus','Melissa McBride');

insert into tv\_cast values

('CT40','Seth MacFarlane','Alex Borstein','Seth Green','Mila Kunis');

insert into tv\_cast values

('CT41','Manav Kaul','Radhika Apte','null','null');

insert into tv\_cast values

('CT42','Romi Pak','Shinchiro Miki','Rie Kugimiya','Megumi Takamoto');

insert into tv\_cast values

('CT43','null','Krysten Ritter','Eka Darville','Carrie-Ann Moss');

insert into tv\_cast values

('CT44','Josh Holloway','Evangeline Lilly','Michael Emerson','Yunjin Kim');

insert into tv\_cast values

('CT45','Brandon Routh','Caity Lotz','Dominic Purcell','null');

insert into tv\_cast values

('CT46','Benjamin Wadsworth','Lana Condor','Benedict Wong','Maria Gabriela de Faria');

insert into tv\_cast values

('CT47','Justin Roiland','Spencer Grammer','Chris Parnell','null');

insert into tv\_cast values

('CT48','Yuki Kaji','Sora Amamiya','Tatsuhisa Suzuki','Aoi Yuki');

insert into tv\_cast values

('CT49','Jason Bateman','Laura Linney','null','null');

insert into tv\_cast values

('CT50','Tom Selleck','Bridget Moynahan','Donnie Wahlberg','null');

---TV Awards

insert into tv\_awards values

('CR02',14,6);

insert into tv\_awards values

('CR08',4,6);

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('CR17',4,16);

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('CR18',13,18);

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('CR20',8,19);

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('CR34',8,0);

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('CR37',17,3);

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('CR39',11,0);

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('CR43',15,9);

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('WR07',17,2);

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('WR10',0,4);

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('WR12',6,15);

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('WR26',3,2);

insert into tv\_awards values

('WR28',17,2);

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('WR29',8,1);

insert into tv\_awards values

('WR30',4,4);

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('WR33',5,3);

insert into tv\_awards values

('WR37',8,11);

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('WR40',16,3);

insert into tv\_awards values

('WR41',13,6);

insert into tv\_awards values

('WR42',13,7);

insert into tv\_awards values

('NW01',18,16);

insert into tv\_awards values

('NW13',13,14);

insert into tv\_awards values

('NW20',9,2);

insert into tv\_awards values

('NW21',12,14);

insert into tv\_awards values

('NW23',16,15);

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('NW26',6,17);

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('NW28',4,3);

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('NW31',15,16);

insert into tv\_awards values

('NW36',12,2);

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('SR14',13,1);

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('SR28',17,2);

insert into tv\_awards values

('SR27',17,18);

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('SR39',12,13);

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('SR37',5,2);

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('SR22',15,10);

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('SR02',1,6);

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('SR36',2,5);

insert into tv\_awards values

('SR30',8,14);

insert into tv\_awards values

('SR29',5,11);

insert into tv\_awards values

('SR25',15,15);

--- series

insert into series values

('SR01','Person of Interest',2011,2016,5,'Drama','CR01','WR01','CT01','NW01',7.27,90.15,64,83);

insert into series values

('SR02','Game of Thrones',2011,2019,8,'Drama','CR02','WR02','CT02','NW02',8.63,58.71,53,84);

insert into series values

('SR03','Downton Abbey',2010,2015,6,'Drama','CR03','WR03','CT03','NW03',6.00,30.22,77,152);

insert into series values

('SR04','Stranger Things',2016,null,2,'Fiction','CR04','WR04','CT04','NW04',4.84,50.93,72,70);

insert into series values

('SR05','Doctor Who',2005,null,11,'Fiction','CR05','WR05','CT05','NW05',8.74,86.07,124,42);

insert into series values

('SR06','Sherlock',2010,2017,4,'Crime','CR05','WR05','CT06','NW05',7.26,57.41,87,111);

insert into series values

('SR07','Silicon Valley',2014,2018,5,'Comedy','CR06','WR06','CT07','NW02',6.67,64.20,122,108);

insert into series values

('SR08','Westworld',2016,null,2,'Fiction','CR01','WR01','CT08','NW02',5.30,43.38,31,75);

insert into series values

('SR09','The Big Bang Theory',2007,2019,12,'Comedy','CR07','WR07','CT09','NW01',6.88,50.07,96,126);

insert into series values

('SR10','Arrow',2012,null,7,'Fiction','CR08','WR08','CT10','NW06',4.71,59.07,128,120);

insert into series values

('SR11','Modern Family',2009,null,10,'Comedy','CR09','WR09','CT11','NW07',4.86,39.41,115,151);

insert into series values

('SR12','Riverdale',2017,null,3,'Drama','CR10','WR10','CT12','NW06',6.10,58.81,93,126);

insert into series values

('SR13','Your Lie in April',2014,2015,1,'Romance','CR11','WR11','CT13','NW08',8.74,69.79,73,93);

insert into series values

('SR14','Death Note',2006,2007,1,'Mystery','CR12','WR12','CT14','NW09',9.68,32.75,81,74);

insert into series values

('SR15','Yes, Minister',1980,1982,3,'Comedy','CR13','WR13','CT15','NW05',7.13,65.86,146,136);

insert into series values

('SR16','Naruto Shippuden',2007,2017,21,'Fiction','CR14','WR14','CT16','NW10',5.76,96.13,76,150);

insert into series values

('SR17','Pride and Prejudice',1995,1995,1,'Drama','CR15','WR15','CT17','NW05',5.18,73.60,111,147);

insert into series values

('SR18','Punisher',2017,null,2,'Crime','CR16','WR16','CT18','NW04',4.01,52.26,92,51);

insert into series values

('SR19','Poirot',1989,2013,13,'Thriller','CR17','WR17','CT19','NW03',6.72,48.46,110,114);

insert into series values

('SR20','My Hero Academia',2016,null,3,'Fiction','CR18','WR18','CT20','NW10',8.57,75.27,61,157);

insert into series values

('SR21','Dark',2017,null,1,'Thriller','CR19','WR19','CT21','NW04',5.21,60.38,39,80);

insert into series values

('SR22','The Flash',2014,null,5,'Fiction','CR08','WR08','CT22','NW06',4.46,47.66,43,131);

insert into series values

('SR23','30 Rock',2006,2013,7,'Comedy','CR20','WR20','CT23','NW11',7.72,47.07,117,67);

insert into series values

('SR24','Daredevil',2015,2018,3,'Fiction','CR21','WR16','CT24','NW04',9.58,72.83,90,109);

insert into series values

('SR25','Blandings',2013,2014,2,'Comedy','CR22','WR21','CT25','NW05',8.88,95.37,45,156);

insert into series values

('SR26','Brooklyn Nine-Nine',2013,null,6,'Comedy','CR20','WR22','CT26','NW11',9.55,92.82,116,137);

insert into series values

('SR27','Last Week Tonight',2014,null,6,'Comedy','CR23','WR23','CT27','NW02',9.93,43.45,71,81);

insert into series values

('SR28','Lost in Space',2018,null,1,'Fiction','CR24','WR24','CT28','NW04',8.57,86.63,50,138);

insert into series values

('SR29','Last Man Standing',2011,null,7,'Comedy','CR25','WR25','CT29','NW07',8.93,35.75,139,119);

insert into series values

('SR30','Breaking Bad',2008,2013,5,'Thriller','CR26','WR26','CT30','NW12',9.34,53.17,99,142);

insert into series values

('SR31','Sacred Games',2018,null,1,'Mystery','CR27','WR27','CT31','NW04',4.41,80.56,114,95);

insert into series values

('SR32','Duck Tales',2017,null,2,'Fiction','CR28','WR28','CT32','NW13',7.55,31.32,88,151);

insert into series values

('SR33','Narcos',2015,2017,3,'Crime','CR29','WR29','CT33','NW04',7.17,80.52,49,136);

insert into series values

('SR34','Single Parents',2018,null,1,'Comedy','CR30','WR30','CT34','NW07',7.82,33.15,123,74);

insert into series values

('SR35','Twin Peaks',1990,1991,2,'Mystery','CR31','WR31','CT35','NW01',4.77,80.11,49,66);

insert into series values

('SR36','The Late Show',2016,null,4,'Comedy','CR32','WR32','CT36','NW01',5.59,91.58,45,53);

insert into series values

('SR37','Friends',1994,2004,10,'Comedy','CR33','WR33','CT37','NW11',9.71,97.81,79,122);

insert into series values

('SR38','Saturday Night Live',1975,null,44,'Comedy','CR34','WR38','CT38','NW11',7.50,61.27,88,61);

insert into series values

('SR39','The Walking Dead',2010,null,9,'Horror','CR34','WR35','CT39','NW14',7.97,88.70,148,126);

insert into series values

('SR40','Family Guy',1999,null,17,'Comedy','CR35','WR36','CT40','NW15',6.86,93.36,79,45);

insert into series values

('SR41','Ghoul',2018,2018,1,'Horror','CR36','WR37','CT41','NW04',8.04,30.64,44,67);

insert into series values

('SR42','Full Metal Alchemist: Brotherhood',2009,2010,1,'Fiction','CR37','WR38','CT42','NW16',7.74,53.49,79,156);

insert into series values

('SR43','Jessica Jones',2015,2019,2,'Thriller','CR38','WR16','CT43','NW04',9.27,64.63,77,40);

insert into series values

('SR44','Legends of Tomorrow',2016,null,2,'Drama','CR08','WR08','CT44','NW06',9.24,45.80,65,59);

insert into series values

('SR45','Lost ',2004,2010,6,'Mystery','CR01','WR39','CT45','NW07',6.80,86.20,125,71);

insert into series values

('SR46','Deadly Class',2019,null,1,'Thriller','CR39','WR40','CT46','NW17',8.75,53.33,60,80);

insert into series values

('SR47','Rick and Morty',2013,null,3,'Comedy','CR40','WR41','CT47','NW02',7.79,55.38,33,75);

insert into series values

('SR48','Seven Deadly Sins',2014,null,2,'Comedy','CR41','WR42','CT48','NW10',9.29,79.08,122,81);

insert into series values

('SR49','Ozark',2017,null,2,'Thriller','CR42','WR43','CT49','NW04',7.22,42.83,139,80);

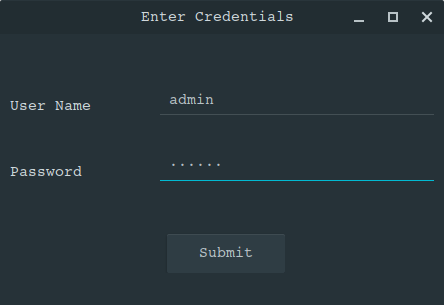
insert into series values

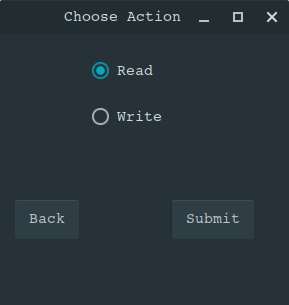
('SR50','Blue Bloods',2010,null,9,'Crime','CR43','WR43','CT50','NW01',7.36,72.88,45,156);

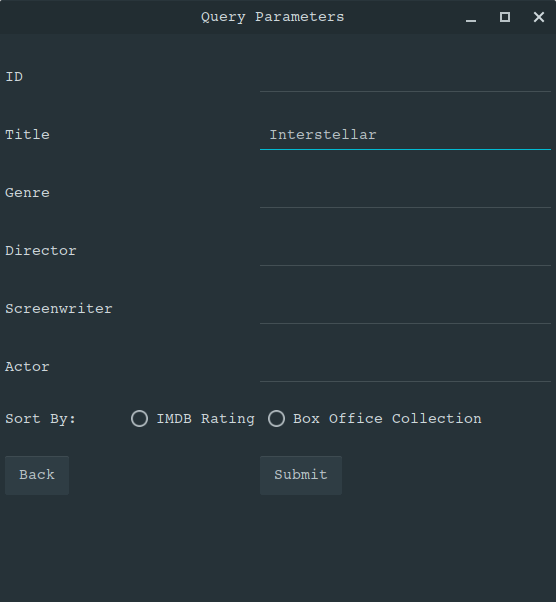
**Queries Used**

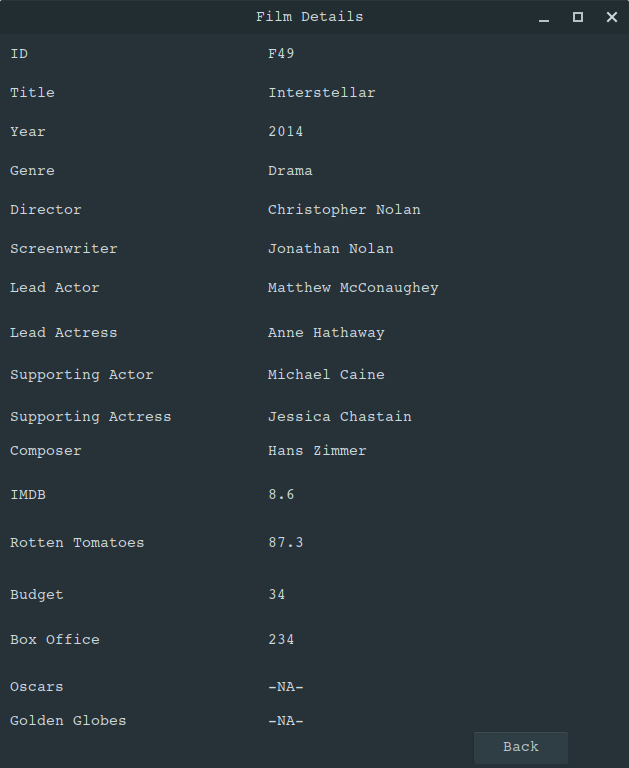
|  |  |  |
| --- | --- | --- |
| **S.No.** | **Query** | **Use** |
| 1 | select f.id,title,year,genre,d.name director,s.name screenwriter,a.lead\_actor,a.lead\_actress,a.supp\_actor,a.supp\_actress,c.name composer,imdb,rot\_tom,budget,box\_office,oscars,golden\_globes  from film f left join film\_awards w on f.id=w.id, director d,screenwriter s,film\_cast a,composer c where f.dir\_id=d.dir\_id and f.sc\_id=s.sc\_id and f.cas\_id=a.cas\_id and f.comp\_id=c.comp\_id | To obtain relevant details about a specific film entered by the user. |
| 2 | select id,title,genre,year,imdb,box\_office from film where genre='"+gen+"' order by | To list films belonging to a specific genre,sorted by a user selected order paramter. |
| 3 | select id,title,genre,year,imdb,box\_office from film natural join director where name='"+gen+"' order by | To list films directed by a specific director,sorted by a user selected order paramter. |
| 4 | select id,title,genre,year,imdb,box\_office from film natural join screenwriter where name='"+gen+"' order by | To list films written by a specific screenwriter,sorted by a user selected order paramter. |
| 5 | select id,title,genre,year,imdb,box\_office from film natural join film\_cast where lead\_actor='"+gen+"' or lead\_actress='"+gen+"' or supp\_actor='"+gen+"' or supp\_actress='"+gen+"' order by | To list films having appearance by a specific actor,sorted by a user selected order paramter. |
| 6 | select f.id,title,s\_year,e\_year,seasons,genre, d.name director,s.name screenwriter, a.lead\_actor,a.lead\_actress,a.supp\_actor, a.supp\_actress,c.name composer, imdb,rot\_tom, f.budget,nielsen, emmys,golden\_globes from series f left join tv\_awards w on f.id=w.id,creator d,writer s,tv\_cast a,network c where f.cr\_id=d.cr\_id and f.wr\_id=s.wr\_id and f.cas\_id=a.cas\_id and f.net\_id=c.net\_id | To obtain relevant details about a specific series entered by the user. |
| 7 | select id,title,genre,s\_year,e\_year,imdb,nielsen from series where net\_id='"+idd+"' order by | To list series owned by a specific network,sorted by a user selected order paramter. |
| 8 | select id,title,genre,s\_year,e\_year,imdb,nielsen from series where wr\_id='"+idd+"' order by | To list series written by a specific writer,sorted by a user selected order paramter. |
| 9 | select id,title,genre,s\_year,e\_year,imdb,nielsen from series where genre='"+gen+"' order by | To list series belonging to a specific writer,sorted by a user selected order paramter. |
| 10 | select id,title,genre,s\_year,e\_year,imdb,nielsen from series natural join tv\_cast where lead\_actor='"+gen+"' or lead\_actress='"+gen+"' or supp\_actor='"+gen+"' or supp\_actress='"+gen+"' order by | To list series having appearance by a specific actor |

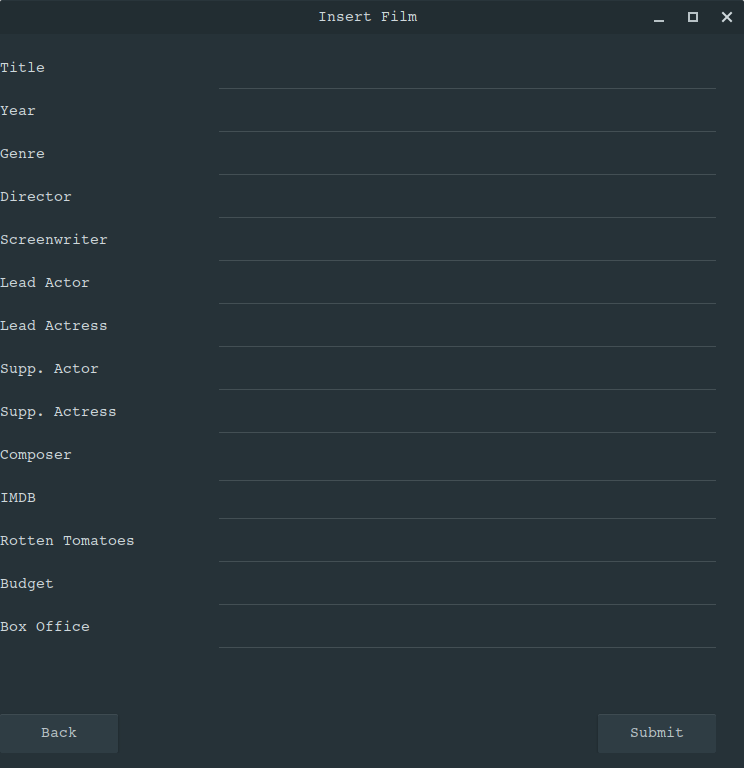
UI Design











JAVA Code for Specific Film

package application;

import org.eclipse.swt.widgets.Display;

import org.eclipse.swt.widgets.Shell;

import org.eclipse.swt.SWT;

import org.eclipse.swt.widgets.Label;

import java.sql.\*;

import org.eclipse.swt.widgets.Button;

import org.eclipse.swt.events.MouseAdapter;

import org.eclipse.swt.events.MouseEvent;

public class ShowIdTitle {

protected Shell shlShowIdTitle;

/\*\*

\* Launch the application.

\* @param args

\*/

static String id,title;

public static void main(String[] args) {

try {

ShowIdTitle window = new ShowIdTitle();

window.open();

} catch (Exception e) {

e.printStackTrace();

}

}

public ShowIdTitle()

{

}

public ShowIdTitle(String i,String t)

{

id=i;

title=t;

open();

}

/\*\*

\* Open the window.

\*/

public void open() {

Display display = Display.getDefault();

createContents();

shlShowIdTitle.open();

while (!shlShowIdTitle.isDisposed()) {

if (!display.readAndDispatch()) {

display.sleep();

}

}

}

/\*\*

\* Create contents of the window.

\*/

protected void createContents() {

shlShowIdTitle = new Shell();

shlShowIdTitle.setText("Film Details");

shlShowIdTitle.setSize(635, 850);

Label[] arr=new Label[17];

int ndx=0;

Label lblNewLabel = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel.setBounds(10, 11, 184, 18);

lblNewLabel.setText("ID");

Label lblNewLabel\_2 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_2.setBounds(10, 50, 184, 18);

lblNewLabel\_2.setText("Title");

Label lblNewLabel\_3 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_3.setBounds(10, 89, 184, 18);

lblNewLabel\_3.setText("Year");

Label lblNewLabel\_4 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_4.setBounds(10, 128, 184, 18);

lblNewLabel\_4.setText("Genre");

Label lblNewLabel\_5 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_5.setBounds(10, 167, 184, 18);

lblNewLabel\_5.setText("Director");

Label lblNewLabel\_6 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_6.setBounds(10, 206, 184, 18);

lblNewLabel\_6.setText("Screenwriter");

Label lblNewLabel\_7 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_7.setBounds(10, 245, 184, 18);

lblNewLabel\_7.setText("Lead Actor");

Label lblNewLabel\_8 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_8.setBounds(10, 290, 184, 18);

lblNewLabel\_8.setText("Lead Actress");

Label lblNewLabel\_9 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_9.setBounds(10, 332, 184, 18);

lblNewLabel\_9.setText("Supporting Actor");

Label lblNewLabel\_10 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_10.setBounds(10, 374, 184, 18);

lblNewLabel\_10.setText("Supporting Actress");

Label lblNewLabel\_1 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_1.setBounds(10, 408, 184, 18);

lblNewLabel\_1.setText("Composer");

Label lblNewLabel\_11 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_11.setBounds(10, 452, 184, 18);

lblNewLabel\_11.setText("IMDB");

Label lblNewLabel\_12 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_12.setBounds(10, 500, 184, 18);

lblNewLabel\_12.setText("Rotten Tomatoes");

Label lblNewLabel\_13 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_13.setBounds(10, 552, 184, 18);

lblNewLabel\_13.setText("Budget");

Label lblNewLabel\_14 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_14.setBounds(10, 597, 184, 18);

lblNewLabel\_14.setText("Box Office");

Label lblNewLabel\_15 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_15.setBounds(10, 644, 184, 18);

lblNewLabel\_15.setText("Oscars");

Label lblNewLabel\_16 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_16.setBounds(10, 678, 184, 18);

lblNewLabel\_16.setText("Golden Globes");

Label lblNewLabel\_17 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_17.setBounds(268, 11, 648, 18);

lblNewLabel\_17.setText("New Label");

Label lblNewLabel\_18 = new Label(shlShowIdTitle, SWT.NONE);

lblNewLabel\_18.setBounds(268, 50, 648, 18);

lblNewLabel\_18.setText("New Label");

Label label = new Label(shlShowIdTitle, SWT.NONE);

label.setText("New Label");

label.setBounds(268, 89, 648, 18);

Label label\_1 = new Label(shlShowIdTitle, SWT.NONE);

label\_1.setText("New Label");

label\_1.setBounds(268, 128, 648, 18);

Label label\_2 = new Label(shlShowIdTitle, SWT.NONE);

label\_2.setText("New Label");

label\_2.setBounds(268, 167, 648, 18);

Label label\_3 = new Label(shlShowIdTitle, SWT.NONE);

label\_3.setText("New Label");

label\_3.setBounds(268, 206, 648, 18);

Label label\_4 = new Label(shlShowIdTitle, SWT.NONE);

label\_4.setText("New Label");

label\_4.setBounds(268, 245, 648, 18);

Label label\_5 = new Label(shlShowIdTitle, SWT.NONE);

label\_5.setText("New Label");

label\_5.setBounds(268, 290, 648, 18);

Label label\_6 = new Label(shlShowIdTitle, SWT.NONE);

label\_6.setText("New Label");

label\_6.setBounds(268, 332, 648, 18);

Label label\_7 = new Label(shlShowIdTitle, SWT.NONE);

label\_7.setText("New Label");

label\_7.setBounds(268, 374, 648, 18);

Label label\_8 = new Label(shlShowIdTitle, SWT.NONE);

label\_8.setText("New Label");

label\_8.setBounds(268, 408, 648, 18);

Label label\_9 = new Label(shlShowIdTitle, SWT.NONE);

label\_9.setText("New Label");

label\_9.setBounds(268, 452, 648, 18);

Label label\_10 = new Label(shlShowIdTitle, SWT.NONE);

label\_10.setText("New Label");

label\_10.setBounds(268, 500, 648, 18);

Label label\_11 = new Label(shlShowIdTitle, SWT.NONE);

label\_11.setText("New Label");

label\_11.setBounds(268, 552, 648, 18);

Label label\_12 = new Label(shlShowIdTitle, SWT.NONE);

label\_12.setText("New Label");

label\_12.setBounds(268, 597, 648, 18);

Label label\_13 = new Label(shlShowIdTitle, SWT.NONE);

label\_13.setText("New Label");

label\_13.setBounds(268, 644, 648, 18);

Label label\_14 = new Label(shlShowIdTitle, SWT.NONE);

label\_14.setText("New Label");

label\_14.setBounds(268, 678, 648, 18);

arr[ndx++]=lblNewLabel\_17;

arr[ndx++]=lblNewLabel\_18;

arr[ndx++]=label;

arr[ndx++]=label\_1;

arr[ndx++]=label\_2;

arr[ndx++]=label\_3;

arr[ndx++]=label\_4;

arr[ndx++]=label\_5;

arr[ndx++]=label\_6;

arr[ndx++]=label\_7;

arr[ndx++]=label\_8;

arr[ndx++]=label\_9;

arr[ndx++]=label\_10;

arr[ndx++]=label\_11;

arr[ndx++]=label\_12;

arr[ndx++]=label\_13;

arr[ndx++]=label\_14;

Button btnNewButton = new Button(shlShowIdTitle, SWT.NONE);

btnNewButton.addMouseListener(new MouseAdapter() {

public void mouseUp(MouseEvent e) {

shlShowIdTitle.close();

new FilmRead().open();

}

});

btnNewButton.setBounds(474, 698, 94, 32);

btnNewButton.setText("Back");

String qry="select f.id,title,year,genre,d.name director,s.name screenwriter,a.lead\_actor,a.lead\_actress,a.supp\_actor, a.supp\_actress,c.name composer,imdb,rot\_tom,budget,box\_office,oscars,golden\_globes from film f left join film\_awards w on f.id=w.id, director d,screenwriter s,film\_cast a,composer c where f.dir\_id=d.dir\_id and f.sc\_id=s.sc\_id and f.cas\_id=a.cas\_id and f.comp\_id=c.comp\_id";

if(!id.equals(""))

qry+=" and f.id='"+id+"'";

else

qry+=" and f.title='"+title+"'";

try

{

Class.forName("oracle.jdbc.driver.OracleDriver");

Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "harold", "dashwood");

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery(qry);

ndx=0;

if(rs.next())

while(ndx<19)

{

String str=rs.getString(ndx+1);

if(str!=null)

arr[ndx++].setText(str);

else

arr[ndx++].setText("-NA-");

}

while(ndx<19)

arr[ndx++].setText("-NA-");

con.close();

}

catch(Exception e)

{}

}

}

References

1. Abraham Silberschatz, Henry F. Korth, S. Sudarshan - Database System Concepts, 6th Edition (2010, McGraw-Hill)

2. Ramez Elmasri, Shamkant B. Navathe - Fundamentals of Database Systems (2015, Pearson)