

SQL Assignment (SBA)

1. Create Database project_movie_data and deploy table data according to ER diagram.

```
create database project_movie;
use project_movie;
create table actor (act_id int not null,act_fname char(20),act_lname char(20),act_gender
char(1),primary key (act_id));
create table director (dir_id int not null,dir_fname varchar(20),dir_lname
varchar(20),primary key(dir_id));
create table movie (mov_id int not null,mov_title varchar(50),mov_year int not
null,mov_time int not null,mov_lang varchar(50),mov_dt_rel date,
mov_rel_country varchar(5),primary key (mov_id));
create table reviewer (rev_id int not null,rev_name varchar(30),primary key (rev_id));
create table genres(gen_id int not null,gen_title varchar(20),primary key(gen_id));
create table movie_cast (act_id int not null, mov_id int not null,role varchar(20),foreign
key(act_id) references actor(act_id),foreign key(mov_id)
references movie (mov_id));
create table movie_direction (dir_id int not null,mov_id int not null,foreign key(dir_id)
references director (dir_id),foreign key(mov_id) references
movie (mov_id));
create table movie_genres (mov_id int not null,gen_id int not null,foreign key (mov_id)
references movie(mov_id),foreign key (gen_id) references
genres (gen_id));
create table rating (mov_id int not null,rev_id int not null,rev_stars int not
null,num_o_rating int not null,foreign key (mov_id) references
movie (mov_id),foreign key(rev_id) references reviewer (rev_id));
```

2. Create 9 tables which are presented in ER model and load the data with their foreign key and primary key values.

```
insert into actor (act_id,act_fname,act_lname,act_gender) values
(101,'James','Stewart','M'),(102,'Deborah','Kerr','F'),(103,'Peter','OToole','M'),
(104,'Robert','De
Niro','M'),(105,'F.Murray','Abraham','M'),(106,'Harrison','Ford','M'),(107,'Nicole','Kidman','F'),(10
8,'Stephen','Baldwin','M'),
(109,'Jack','Nicholson','M'),(110,'Mark','Wahlberg','M'),(111,'Woody','Allen','M'),(112,'Clarie','Da
nes','F'),(113,'Tim','Robbins','M'),
```

```
(114,'Kevin','Spacey','M'),(115,'Kate','Winslet','M'),(116,'Robin','Williams','M'),(117,'Jon','Voight','M'),(118,'Ewan','McGregor','M'),
(119,'Christian','Bale','M'),(120,'Maggie','Gyllenhaal','F'),(121,'Dev','Patel','M'),(122,'Sigourney','Weaver','F'),(123,'David','Aston','M'),
(124,'Ali','Astin','F');
insert into director (dir_id, dir_fname, dir_lname)values (201, 'Alfred', 'Hitchcock'),(202, 'Jack', 'Clayton'),(203, 'David', 'Lean'),(204, 'Michael', 'Cimino'),(205, 'Milos', 'Forman'),(206, 'Ridley', 'Scott'),
(207, 'Stanley', 'Kubrick'),(208, 'Bryan', 'Singer'),(209, 'Roman', 'Polanski'),(210, 'Paul', 'Thomas Anderson'),(211, 'Woody', 'Allen'),(212, 'Hayao', 'Miyazaki'),
(213, 'Frank', 'Darabont'),(214, 'Sam', 'Mendes'),(215, 'James', 'Cameron'),(216, 'Gus', 'Van Sant'),(217, 'John', 'Boorman'),(218, 'Danny', 'Boyle'),
(219, 'Christoph', 'Nolan'),(220, 'Richard', 'Kelly'),(221, 'Kevin', 'Spacey'),(222, 'Andrei', 'Tarkovsky'),(223, 'Peter', 'Jackson');
```

```
insert into
movie(mov_id,mov_title,mov_year,mov_time,mov_lang,mov_dt_rel,mov_rel_country)values
(901, 'Vertigo', 1958, 128, ' English ', '1958-08-24', ' UK'),
(902, 'The Innocents', 1961, 100, ' English ', '1962-02-19', ' SW'),
(903, 'Lawrence of Arabia', 1962, 216, ' English ', '1962-12-11', ' UK'),
(904, 'The Deer Hunter', 1978, 183, ' English ', '1979-03-08', ' UK'),
(905, 'Amadeus', 1984, 160, ' English ', '1985-01-07', ' UK'),
(906, 'Blade Runner', 1982, 117, ' English ', '1982-09-09', ' UK'),
(907, 'Eyes Wide Shut', 1999, 159, ' English ', null, ' UK'),
(908, 'The Usual Suspects', 1995, 106, ' English ', '1995-08-25', ' UK'),
(909, 'Chinatown', 1974, 130, ' English ', '1974-08-09', ' UK'),
(910, 'Boogie Nights', 1997, 155, ' English ', '1998-02-16', ' UK'),
(911, 'Annie Hall', 1977, 93, ' English ', '1977-04-20', ' USA'),
(912, 'Princess Mononoke', 1997, 134, ' Japanese ', '2001-10-19', ' UK'),
(913, 'The Shawshank Redem', 1994, 142, ' English ', '1995-02-17', ' UK'),
(914, 'American Beauty', 1999, 122, ' English ', null, ' UK'),
(915, 'Titanic', 1997, 194, ' English ', '1998-01-23', ' UK'),
(916, 'Good Will Hunting', 1997, 126, ' English ', '1998-06-03', ' UK'),
(917, 'Deliverance', 1972, 109, ' English ', '1982-10-05', ' UK'),
(918, 'Trainspotting', 1996, 94, ' English ', '1996-02-23', ' UK'),
(919, 'The Prestige', 2006, 130, ' English ', '2006-11-10', ' UK'),
(920, 'Donnie Darko', 2001, 113, ' English ', null, ' UK'),
(921, 'Slumdog Millionaire', 2008, 120, ' English ', '2009-01-09', ' UK'),
(922, 'Aliens', 1986, 137, ' English ', '1986-08-29', ' UK'),
(923, 'Beyond the Sea', 2004, 118, ' English ', '2004-11-26', ' UK'),
(924, 'Avatar', 2009, 162, ' English ', '2009-12-17', ' UK'),
(925, 'Braveheart', 1995, 178, ' English ', '1995-09-08', ' UK'),
(926, 'Seven Samurai', 1954, 207, ' Japanese ', '1954-04-26', ' JP'),
(927, 'Spirited Away', 2001, 125, ' Japanese ', '2003-09-12', ' UK'),
(928, 'Back to the Future', 1985, 116, ' English ', '1985-12-04', ' UK');
```

```

insert into reviewer (rev_id, rev_name) values (9001, 'Righty Sock'), (9002, 'Jack
Malvern'), (9003, 'Flagrant Baronessa'),
(9005, null), (9006, 'Alec Shaw'), (9007, 'Simon Wright'), (9008, 'Neal Wruck'), (9009, 'Paul
Monks'), (9010, 'Mike Salvati'), (9011, null),
(9012, 'Wesley S. Walker'), (9013, 'Sasha Goldshtein'), (9014, 'Josh Cates'), (9015, 'Krug
Stillo'), (9016, 'Scott LeBrun'),
(9017, 'Hannah Steele'), (9018, 'Vincent Cadena'), (9019, 'Brandt Sponseller'), (9020, 'Richard
Adams');
insert into genres (gen_id, gen_title) values (1001, 'Action'), (1002, 'Adventure'), (1003,
'Animation'), (1004, 'Biography'), (1005, 'Comedy'),
(1006, 'Crime'), (1007, 'Drama'), (1008, 'Horror'), (1009, 'Music'), (1010, 'Mystery'), (1011,
'Romance'), (1012, 'Thriller'), (1013, 'War');
insert into movie_cast (act_id, mov_id, role) values (101, 901, 'John Scottie Fergus'), (102, 902,
'Miss Giddens'), (103, 903, 'T.E. Lawrence'), (104, 904, 'Michael'), (105, 905, 'Antonio Salieri'),
(106, 906, 'Rick Deckard'), (107, 907, 'Alice Harford'), (108, 908, 'McManus'), (110, 910, 'Eddie
Adams'), (111, 911, 'Alvy Singer'),
(112, 912, 'San'), (113, 913, 'Andy Dufresne'), (114, 914, 'Lester Burnham'), (115, 915, 'Rose
DeWitt Bukater'), (116, 916, 'Sean Maguire'),
(117, 917, 'Ed'), (118, 918, 'Renton'), (120, 920, 'Elizabeth Darko'), (121, 921, 'Older Jamal'), (122,
922, 'Ripley'),
(114, 923, 'Bobby Darin'), (109, 909, 'J.J. Gittes'), (119, 919, 'Alfred Borden');
insert into movie_direction (dir_id, mov_id) values (201, 901), (202, 902), (203, 903), (204,
904), (205, 905), (206, 906), (207, 907),
(208, 908), (209, 909), (210, 910), (211, 911), (212, 912), (213, 913), (214, 914), (215, 915), (216,
916), (217, 917),
(218, 918), (219, 919), (220, 920), (218, 921), (215, 922), (221, 923);
insert into movie_genres (mov_id, gen_id) values (922, 1001), (917, 1002), (903, 1002), (912,
1003),
(911, 1005), (908, 1006), (913, 1006), (926, 1007), (928, 1007), (918, 1007), (921, 1007), (902, 1008),
(923, 1009), (907, 1010), (927, 1010), (901, 1010), (914, 1010), (906, 1012), (904, 1013);
insert into rating (mov_id, rev_id, rev_stars, num_o_rating) values (901, 9001, '8', 263575), (902,
9002, '8', 20207), (903, 9003, '8', 202778),
(906, 9005, '8', 484746), (924, 9006, '7', 0), (908, 9007, '9', 779489), (909, 9008, '0', 227235), (910,
9009, '3', 195961),
(911, 9010, '8', 203875), (912, 9011, '8', 0), (914, 9013, '8', 862618), (916, 9014, '4', 642132), (925,
9015, '8', 81328),
(918, 9016, '0', 580301), (920, 9017, '8', 609451), (921, 9018, '8', 667758), (922, 9019, '8',
511613), (923, 9020, '7', 13091);

```

Output after inserting elements into the table:

Table 1: Actors

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

customer

customers

org

project_movie

Tables

Views

Stored Procedures

Functions

sys

vaishali

workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5 SQL Assignment

Limit to 1000 rows

```
73 • insert into rating (mov_id, rev_id, rev_stars, num_o_rating) values (901, 9001, '8', 263575),(902, 9002,  
74 (906, 9005, '8', 484746),(924, 9006, '7', 0),(908, 9007, '9', 779489),(909, 9008, '0', 227235),(910, 9009,  
75 (911, 9010, '8', 203875),(912, 9011, '8', 0),(914, 9013, '8', 862618),(916, 9014, '4', 642132),(925, 9015,  
76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,  
77 • select *from actor;  
78 • select *from director;
```

Result Grid

act_id	act_fname	act_lname	act_gender
101	James	stewart	M
102	Deborah	kerr	F
103	Peter	OToole	M
104	Robert	De Niro	M
105	F.Murray	Abraham	M
106	Harrison	Ford	M
107	Nicole	Kidman	F
108	Stephen	Baldwin	M
109	Jack	Nicholson	M
110	Mark	Wahlberg	M
111	Woody	Allen	M
112	Clarie	Danes	F
113	Tim	Robbins	M
114	Kevin	Spacey	M

actor 3 x

Output

Action Output

Object Info Session

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MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

customer

customers

org

project_movie

Tables

Views

Stored Procedures

Functions

sys

vaishali

workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5 SQL Assignment

Limit to 1000 rows

```
73 • insert into rating (mov_id, rev_id, rev_stars, num_o_rating) values (901, 9001, '8', 263575),(902, 9002,  
74 (906, 9005, '8', 484746),(924, 9006, '7', 0),(908, 9007, '9', 779489),(909, 9008, '0', 227235),(910, 9009,  
75 (911, 9010, '8', 203875),(912, 9011, '8', 0),(914, 9013, '8', 862618),(916, 9014, '4', 642132),(925, 9015,  
76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,  
77 • select *from actor;  
78 • select *from director;
```

Result Grid

act_id	act_fname	act_lname	act_gender
111	Woody	Allen	M
112	Clarie	Danes	F
113	Tim	Robbins	M
114	Kevin	Spacey	M
115	Kate	Winslet	M
116	Robin	Williams	M
117	Jon	Voight	M
118	Ewan	McGregor	M
119	Christian	Bale	M
120	Maggie	Gyllenhaal	F
121	Dev	Patel	M
122	Sigourney	Weaver	F
123	David	Aston	M
124	Ali	Astin	F

actor 3 x

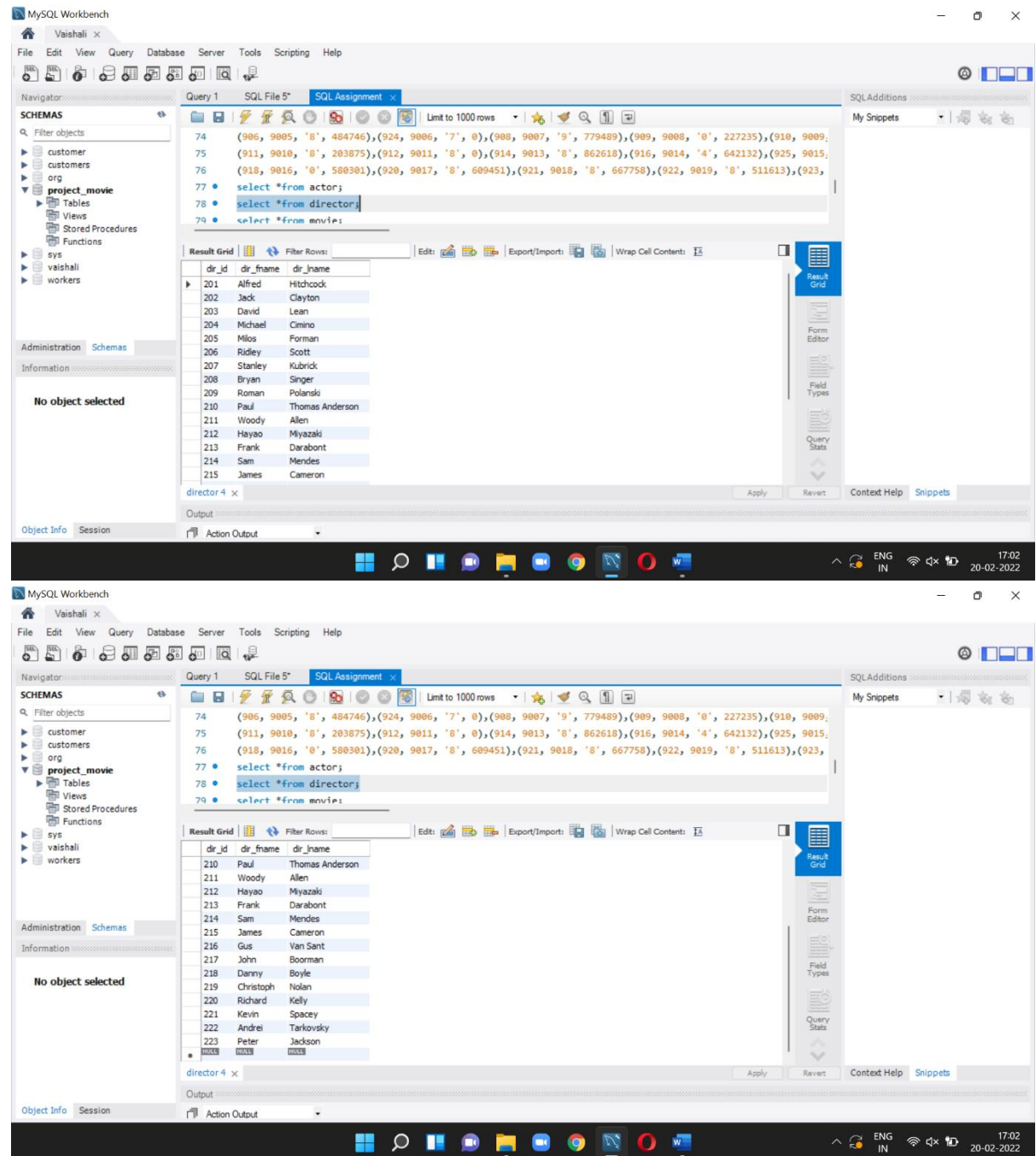
Output

Action Output

Object Info Session

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Table 2: Directors



MySQL Workbench

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Navigator

SCHEMAS

Filter objects

customer

customers

org

project_movie

Tables

Views

Stored Procedures

Functions

sys

vaishali

workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5 SQL Assignment

Limit to 1000 rows

74 (906, 9005, '8', 484746),(924, 9006, '7', 0),(908, 9007, '9', 779489),(909, 9008, '0', 227235),(910, 9009,

75 (911, 9010, '8', 203875),(912, 9011, '8', 0),(914, 9013, '8', 862618),(916, 9014, '4', 642132),(925, 9015,

76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,

77 select *from actor;

78 select *from director;

79 select *from movie;

Result Grid

Filter Rows:

dir_id dir_fname dir_lname

201 Alfred Hitchcock

202 Jack Clayton

203 David Lean

204 Michael Cimino

205 Milos Forman

206 Ridley Scott

207 Stanley Kubrick

208 Bryan Singer

209 Roman Polanski

210 Paul Thomas Anderson

211 Woody Allen

212 Hayao Miyazaki

213 Frank Darabont

214 Sam Mendes

215 James Cameron

director 4 x

Apply Revert Context Help Snippets

Output

Action Output

Object Info Session

SQL Additions

My Snippets

Result Grid

Form Editor

Field Types

Query Stats

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dir_id	dir_fname	dir_lname
210	Paul	Thomas Anderson
211	Woody	Allen
212	Hayao	Miyazaki
213	Frank	Darabont
214	Sam	Mendes
215	James	Cameron
216	Gus	Van Sant
217	John	Boorman
218	Danny	Boyle
219	Christoph	Nolan
220	Richard	Kelly
221	Kevin	Spacey
222	Andrei	Tarkovsky
223	Peter	Jackson
224	NOES	NOES

Table 3: Movies

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 SQL File 5 SQL Assignment

Limit to 1000 rows

75 (911, 9018, '8', 203875),(912, 9011, '8', 0),(914, 9013, '8', 862618),(916, 9014, '4', 642132),(925, 9015,

76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,

77 • select *from actor;

78 • select *from director;

79 • select *from movie;

80 • select *from reviewer;

Result Grid

mov_id	mov_title	mov_year	mov_time	mov_lang	mov_dt_rel	mov_rel_country
901	Vertigo	1958	128	English	1958-08-24	UK
902	The Innocents	1961	100	English	1962-02-19	SW
903	Lawrence of Arabia	1962	216	English	1962-12-11	UK
904	The Deer Hunter	1978	183	English	1979-03-08	UK
905	Amadeus	1984	160	English	1985-01-07	UK
906	Blade Runner	1982	117	English	1982-09-09	UK
907	Eyes Wide Shut	1999	159	English	1999-01-07	UK
908	The Usual Suspects	1995	106	English	1995-08-25	UK
909	Chinatown	1974	130	English	1974-08-09	UK
910	Boogie Nights	1997	155	English	1998-02-16	UK
911	Annie Hall	1977	93	English	1977-04-20	USA
912	Princess Mononoke	1997	134	Japanese	2001-10-19	UK
913	The Shawshank R...	1994	142	English	1995-02-17	UK
914	American Beauty	1999	122	English	1999-01-23	UK
915	Titanic	1997	194	English	1998-01-23	UK

movie 5 x

Apply Revert Context Help Snippets

Object Info Session

Action Output

17:02 20-02-2022

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 SQL File 5 SQL Assignment

Limit to 1000 rows

75 (911, 9018, '8', 203875),(912, 9011, '8', 0),(914, 9013, '8', 862618),(916, 9014, '4', 642132),(925, 9015,

76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,

77 • select *from actor;

78 • select *from director;

79 • select *from movie;

80 • select *from reviewer;

Result Grid

mov_id	mov_title	mov_year	mov_time	mov_lang	mov_dt_rel	mov_rel_country
915	Titanic	1997	194	English	1998-01-23	UK
916	Good Will Hunting	1997	126	English	1998-06-03	UK
917	Deliverance	1972	109	English	1982-10-05	UK
918	Transpotting	1996	94	English	1996-02-23	UK
919	The Prestige	2006	130	English	2006-11-10	UK
920	Donnie Darko	2001	113	English	2001-01-09	UK
921	Slumdog Millionaire	2008	120	English	2009-01-09	UK
922	Allens	1986	137	English	1986-08-29	UK
923	Beyond the Sea	2004	118	English	2004-11-26	UK
924	Avatar	2009	162	English	2009-12-17	UK
925	Braveheart	1995	178	English	1995-09-08	UK
926	Seven Samurai	1954	207	Japanese	1954-04-26	JP
927	Spirited Away	2001	125	Japanese	2003-09-12	UK
928	Back to the Future	1985	116	English	1985-12-04	UK

movie 5 x

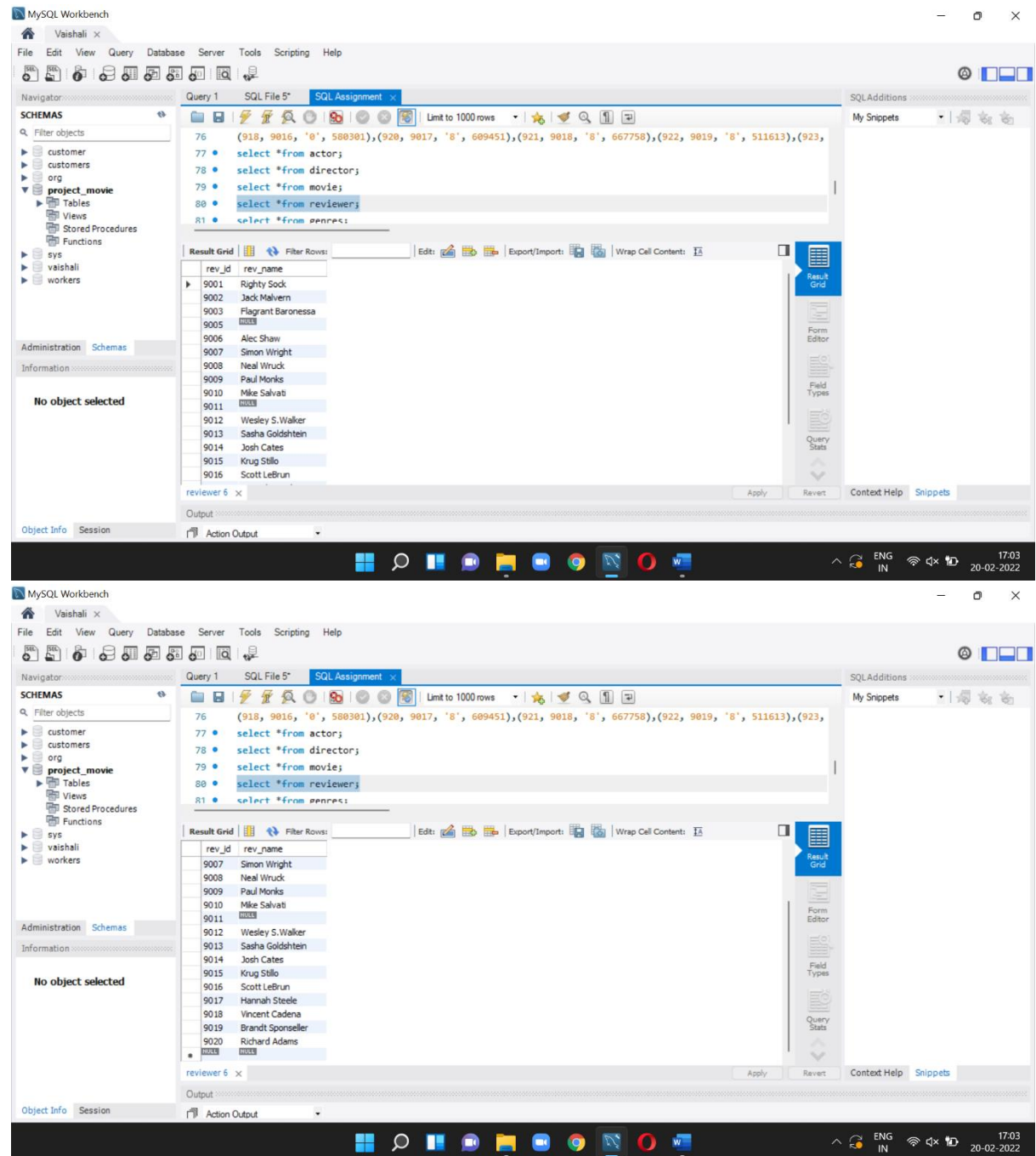
Apply Revert Context Help Snippets

Object Info Session

Action Output

17:02 20-02-2022

Table 4: Reviewer



The image displays two screenshots of the MySQL Workbench interface, showing SQL queries and their results.

Top Screenshot:

- Query 1:**

```

76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,
77 select *from actor;
78 select *from director;
79 select *from movie;
80 select *from reviewer;
81 select *from genres;

```
- Result Grid:**

rev_id	rev_name
9001	Righty Sock
9002	Jack Malvern
9003	Flagrant Baronessa
9005	
9006	Alec Shaw
9007	Simon Wright
9008	Neal Wyruck
9009	Paul Monks
9010	Mike Salvati
9011	
9012	Wesley S.Walker
9013	Sasha Goldshtein
9014	Josh Cates
9015	Krug Stillo
9016	Scott LeBrun

Bottom Screenshot:

- Query 1:**

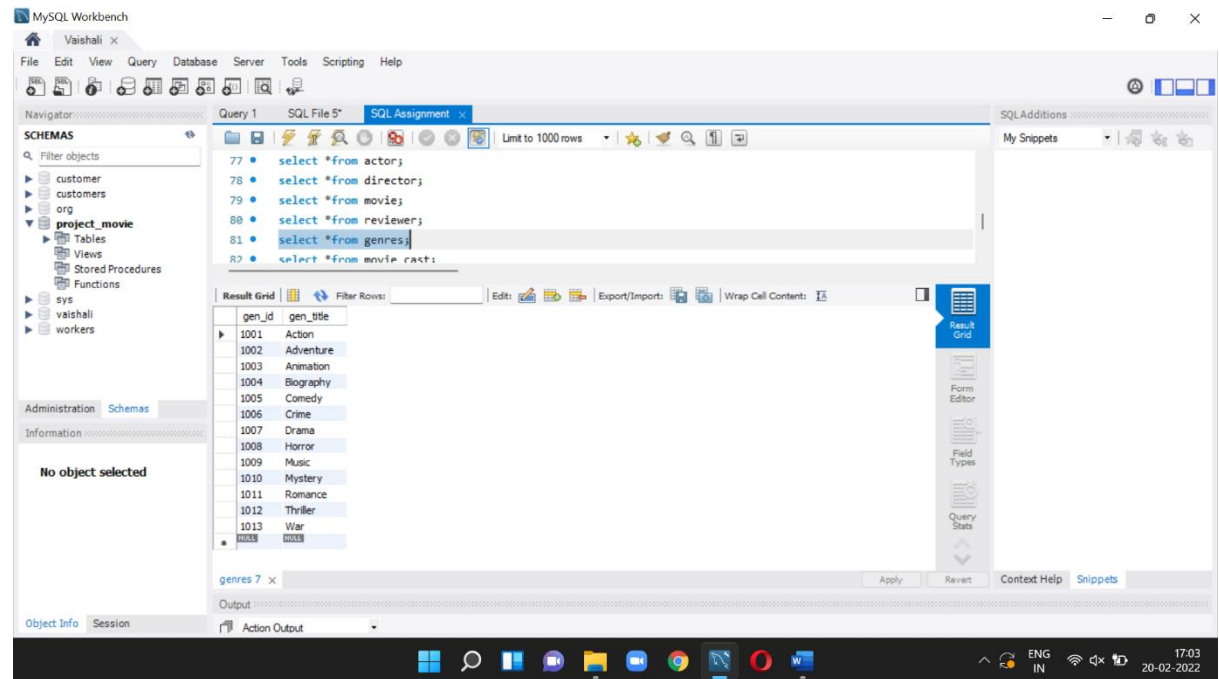
```

76 (918, 9016, '0', 580301),(920, 9017, '8', 609451),(921, 9018, '8', 667758),(922, 9019, '8', 511613),(923,
77 select *from actor;
78 select *from director;
79 select *from movie;
80 select *from reviewer;
81 select *from genres;

```
- Result Grid:**

rev_id	rev_name
9007	Simon Wright
9008	Neal Wyruck
9009	Paul Monks
9010	Mike Salvati
9011	
9012	Wesley S.Walker
9013	Sasha Goldshtein
9014	Josh Cates
9015	Krug Stillo
9016	Scott LeBrun
9017	Hannah Steele
9018	Vincent Cadena
9019	Brandt Sponseller
9020	Richard Adams

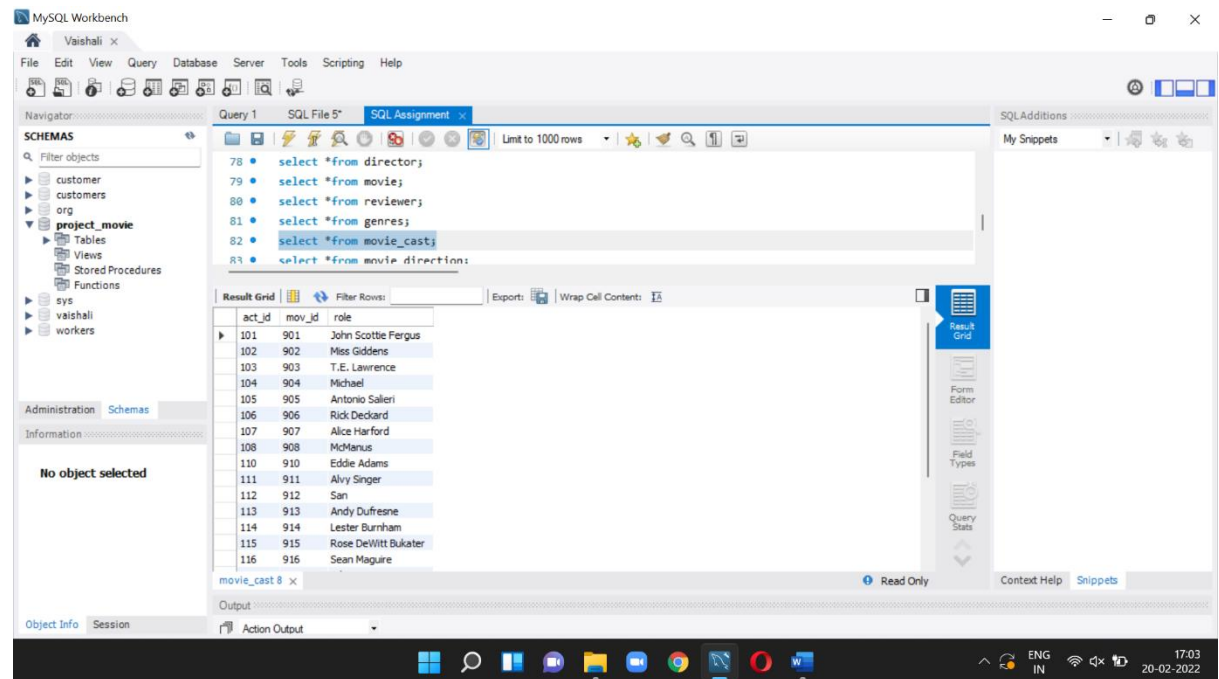
Table 5: Genres



The screenshot shows the MySQL Workbench interface. The 'Query 1' tab is active, displaying a SQL query that selects all data from the 'actor', 'director', 'movie', 'reviewer', 'genres', and 'movie_cast' tables. The 'Result Grid' is visible, showing the results of the query. The 'schemas' pane on the left shows the 'project_movie' database selected. The 'Output' pane at the bottom shows the results of the query.

gen_id	gen_title
1001	Action
1002	Adventure
1003	Animation
1004	Biography
1005	Comedy
1006	Crime
1007	Drama
1008	Horror
1009	Music
1010	Mystery
1011	Romance
1012	Thriller
1013	War

Table 6: Movie cast



The screenshot shows the MySQL Workbench interface. The 'Query 1' tab is active, displaying a SQL query that selects all data from the 'director', 'movie', 'reviewer', 'genres', 'movie_cast', and 'movie_directions' tables. The 'Result Grid' is visible, showing the results of the query. The 'schemas' pane on the left shows the 'project_movie' database selected. The 'Output' pane at the bottom shows the results of the query.

act_id	mov_id	role
101	901	John Scottie Fergus
102	902	Miss Giddens
103	903	T.E. Lawrence
104	904	Michael
105	905	Antonio Salleri
106	906	Rick Deckard
107	907	Alice Harford
108	908	McManus
110	910	Eddie Adams
111	911	Alvy Singer
112	912	San
113	913	Andy Dufresne
114	914	Lester Burnham
115	915	Rose DeWitt Bukater
116	916	Sean Maguire

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 SQL File 5 SQL Assignment x

Limit to 1000 rows

SQL Snippets

My Snippets

SCHMAS

Filter objects

customer

customers

org

project_movie

Tables

Views

Stored Procedures

Functions

sys

vaishali

workers

Administration Schemas

Information

No object selected

78 • select *from director;

79 • select *from movie;

80 • select *from reviewer;

81 • select *from genres;

82 • select *from movie_cast;

83 • select *from movie_direction;

Result Grid

Filter Rows:

Export

Wrap Cell Contents: F5

act_id	mov_id	role
110	910	Eddie Adams
111	911	Alvy Singer
112	912	San
113	913	Andy Dufresne
114	914	Lester Burnham
115	915	Rose DeWitt Bukater
116	916	Sean Maguire
117	917	Ed
118	918	Renton
120	920	Elizabeth Darko
121	921	Older Jamal
122	922	Ripley
114	923	Bobby Darin
109	909	J.J. Gittes
119	919	Alfred Borden

movie_cast 8 x

Read Only

Context Help Snippets

Object Info Session

Action Output

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Table 7: Movie Direction

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 SQL File 5 SQL Assignment x

Limit to 1000 rows

SQL Snippets

My Snippets

SCHMAS

Filter objects

customer

customers

org

project_movie

Tables

Views

Stored Procedures

Functions

sys

vaishali

workers

Administration Schemas

Information

No object selected

79 • select *from movie;

80 • select *from reviewer;

81 • select *from genres;

82 • select *from movie_cast;

83 • select *from movie_direction;

84 • select *from movie_genres;

Result Grid

Filter Rows:

Export

Wrap Cell Contents: F5

dr_id	mov_id
201	901
202	902
203	903
204	904
205	905
206	906
207	907
208	908
209	909
210	910
211	911
212	912
213	913
214	914
215	915

movie_direction 9 x

Read Only

Context Help Snippets

Object Info Session

Action Output

17:03 20-02-2022

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- customer
- customers
- org
- project_movie
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys
- vaishali
- workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5* SQL Assignment x

Limit to 1000 rows

```

79 • select *from movie;
80 • select *from reviewer;
81 • select *from genres;
82 • select *from movie_cast;
83 • select *from movie_direction;
84 • select *from movie_genres;
85 • select *from ratings;

```

Result Grid

dr_id	mov_id
209	909
210	910
211	911
212	912
213	913
214	914
215	915
216	916
217	917
218	918
219	919
220	920
218	921
215	922
221	923

movie_direction 9 x

Read Only

Context Help Snippets

Object Info Session

Action Output

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Table 8: Movie Genres

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- customer
- customers
- org
- project_movie
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys
- vaishali
- workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5* SQL Assignment x

Limit to 1000 rows

```

80 • select *from reviewer;
81 • select *from genres;
82 • select *from movie_cast;
83 • select *from movie_direction;
84 • select *from movie_genres;
85 • select *from ratings;

```

Result Grid

mov_id	gen_id
911	1005
908	1006
913	1006
926	1007
928	1007
918	1007
921	1007
902	1008
923	1009
907	1010
927	1010
901	1010
914	1010
906	1012
904	1013

movie_genres 10 x

Read Only

Context Help Snippets

Object Info Session

Action Output

17:03 20-02-2022

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- customer
- customers
- org
- project_movie
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys
- vaishali
- workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5* SQL Assignment x

Limit to 1000 rows

```

80 • select *from review;
81 • select *from genres;
82 • select *from movie_cast;
83 • select *from movie_direction;
84 • select *from movie_genres;
85 • select *from ratings;

```

Result Grid

mov_id	gen_id
922	1001
917	1002
903	1002
912	1003
911	1005
908	1006
913	1006
926	1007
928	1007
918	1007
921	1007
902	1008
923	1009
907	1010
927	1010

movie_genres 10 x

Output

Object Info Session

Read Only

Context Help Snippets

17:03 20-02-2022

Table 9: Rating

MySQL Workbench

Vaishali x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- customer
- customers
- org
- project_movie
 - Tables
 - Views
 - Stored Procedures
 - Functions
- sys
- vaishali
- workers

Administration Schemas

Information

No object selected

Query 1 SQL File 5* SQL Assignment x

Limit to 1000 rows

```

81 • select *from genres;
82 • select *from movie_cast;
83 • select *from movie_direction;
84 • select *from movie_genres;
85 • select *from ratings;
86 • SELECT reviewer.rev_name FROM reviewer, rating

```

Result Grid

mov_id	rev_id	rev_stars	num_o_rating
901	9001	8	263575
902	9002	8	20207
903	9003	8	202778
906	9005	8	484746
924	9006	7	0
908	9007	9	779469
909	9008	0	227235
910	9009	3	195961
911	9010	8	203875
912	9011	8	0
914	9013	8	862618
916	9014	4	642132
925	9015	8	81328
918	9016	0	580301
920	9017	8	609451

rating 11 x

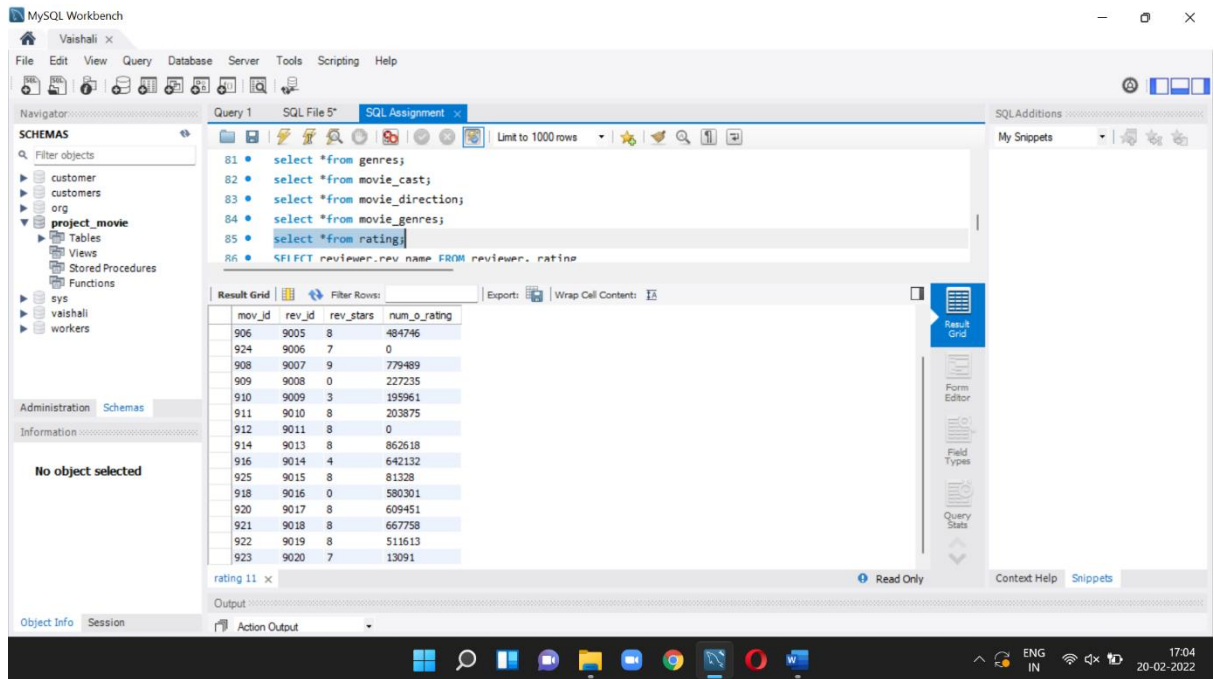
Output

Object Info Session

Read Only

Context Help Snippets

17:04 20-02-2022



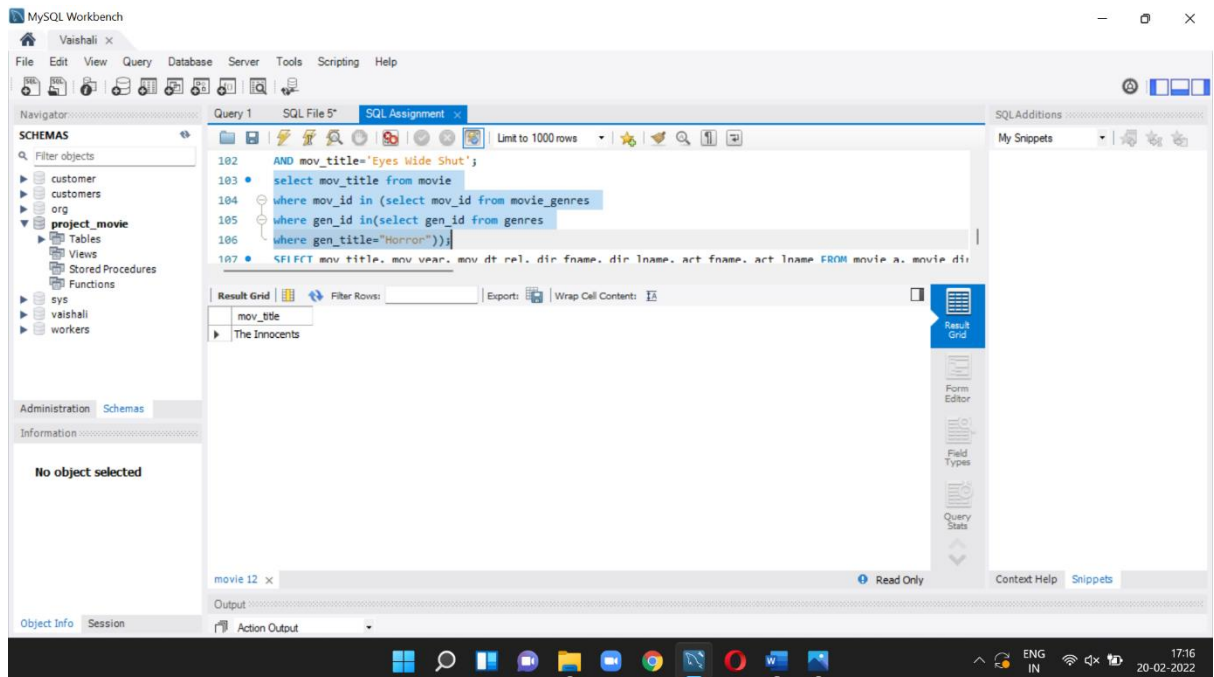
3. Write a query in SQL to list the Horror movies?

```

select mov_title from movie
where mov_id in (select mov_id from movie_genres
where gen_id in(select gen_id from genres
where gen_title="Horror"));

```

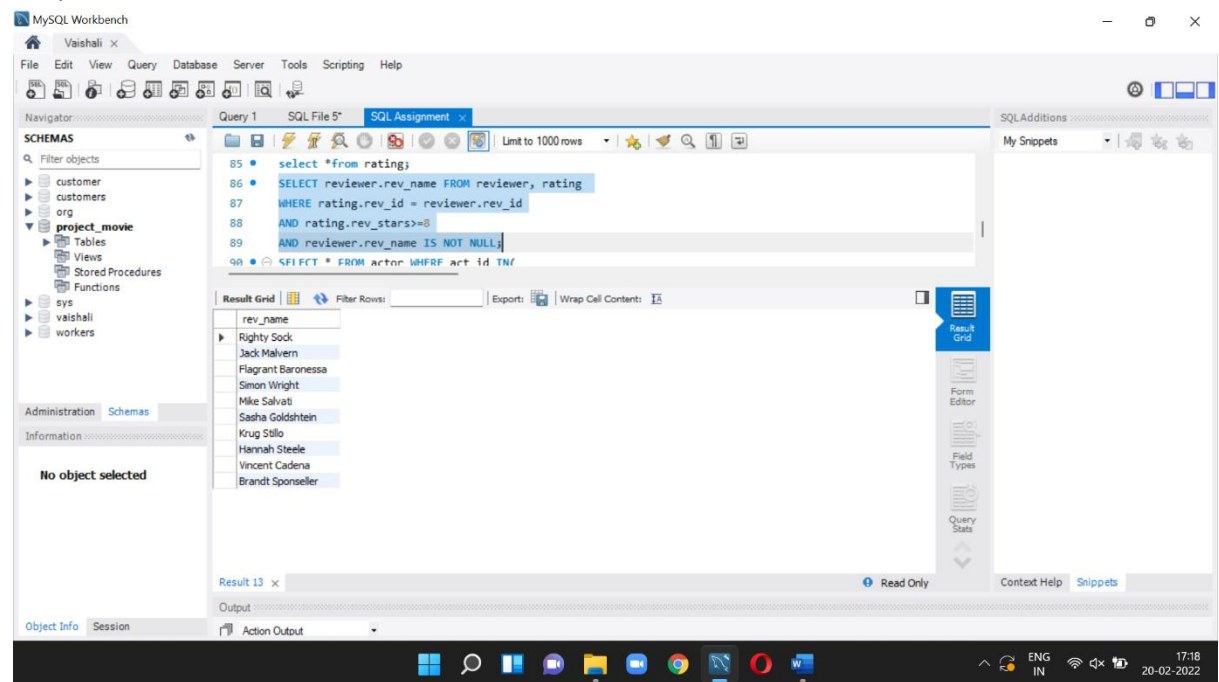
Output:



4. Write a query in SQL to find the name of all reviewers who have rated 8 or more stars?

```
SELECT reviewer.rev_name FROM reviewer, rating
WHERE rating.rev_id = reviewer.rev_id
AND rating.rev_stars >= 8
AND reviewer.rev_name IS NOT NULL;
```

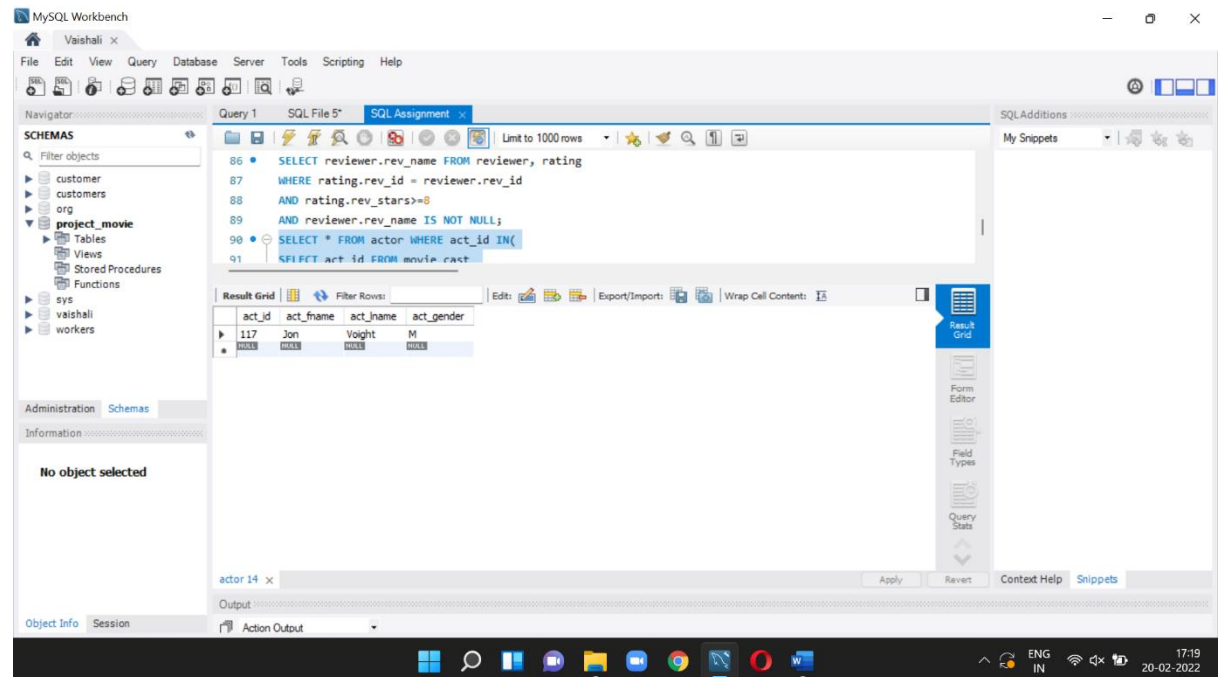
Output:



5. Write a query in SQL to list all the information of the actors who played a role in the movie 'Deliverance'

```
SELECT * FROM actor WHERE act_id IN(
SELECT act_id FROM movie_cast
WHERE mov_id IN (
SELECT mov_id FROM movie
WHERE mov_title='Deliverance'
));
```

Output:



6. Write a query in SQL to find the name of the director (first and last names) who directed a movie that casted a role for 'Eyes Wide Shut'. (using subquery)

```
SELECT dir_fname, dir_lname, mov_title
FROM director
NATURAL JOIN movie_direction
NATURAL JOIN movie
NATURAL JOIN movie_cast
WHERE role IS NOT NULL
AND mov_title='Eyes Wide Shut';
```


Output:

The screenshot shows the MySQL Workbench interface. The 'Query 1' tab is active, displaying the following SQL query:

```
98 NATURAL JOIN movie_direction
99 NATURAL JOIN movie
100 NATURAL JOIN movie_cast
101 WHERE role IS NOT NULL
102 AND mov_title='Eyes Wide Shut';
103 select mov_title from movie
```

The 'Result Grid' shows the following data:

dir_fname	dir_lname	mov_title
Stanley	Kubrick	Eyes Wide Shut

The 'Navigator' pane on the left shows the database schema, including tables like 'customer', 'customers', 'org', 'project_movie', 'sys', 'vaishali', and 'workers'. The 'Information' pane at the bottom shows 'No object selected'.

7. Write a query in SQL to find the movie title, year, date of release, director and actor for those movies which reviewer is 'Neal Wruck'

SELECT mov_title, mov_year, mov_dt_rel, dir_fname, dir_lname, act_fname, act_lname FROM movie a, movie_direction b, director c, rating d, reviewer e, actor f, movie_cast g WHERE a.mov_id=b.mov_id AND b.dir_id=c.dir_id AND a.mov_id=d.mov_id AND d.rev_id=e.rev_id AND a.mov_id=g.mov_id AND g.act_id=f.act_id AND e.rev_name="Neal Wruck";

Output:

The screenshot shows the MySQL Workbench interface. The 'Query 1' tab is active, displaying the following SQL query:

```
103
104
105
106
107 =d.mov_id AND d.rev_id=e.rev_id AND a.mov_id=g.mov_id AND g.act_id=f.act_id AND e.rev_name="Neal Wruck";
108
```

The 'Result Grid' shows the following data:

mov_title	mov_year	mov_dt_rel	dir_fname	dir_lname	act_fname	act_lname
Chinatown	1974	1974-08-09	Roman	Polanski	Jack	Nicholson

The 'Navigator' pane on the left shows the database schema, including tables like 'customer', 'customers', 'org', 'project_movie', 'sys', 'vaishali', and 'workers'. The 'Information' pane at the bottom shows 'No object selected'.

