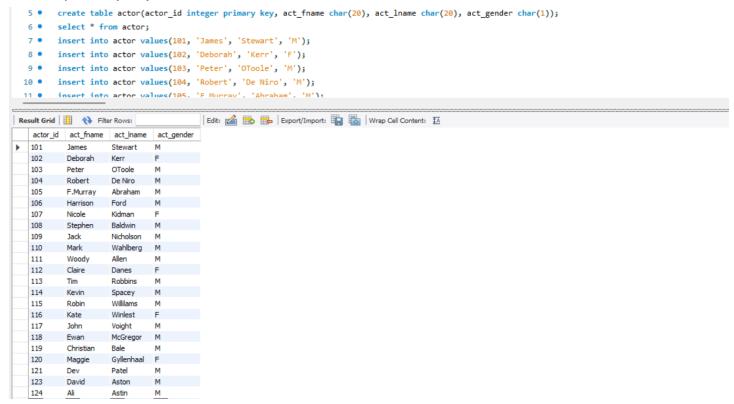
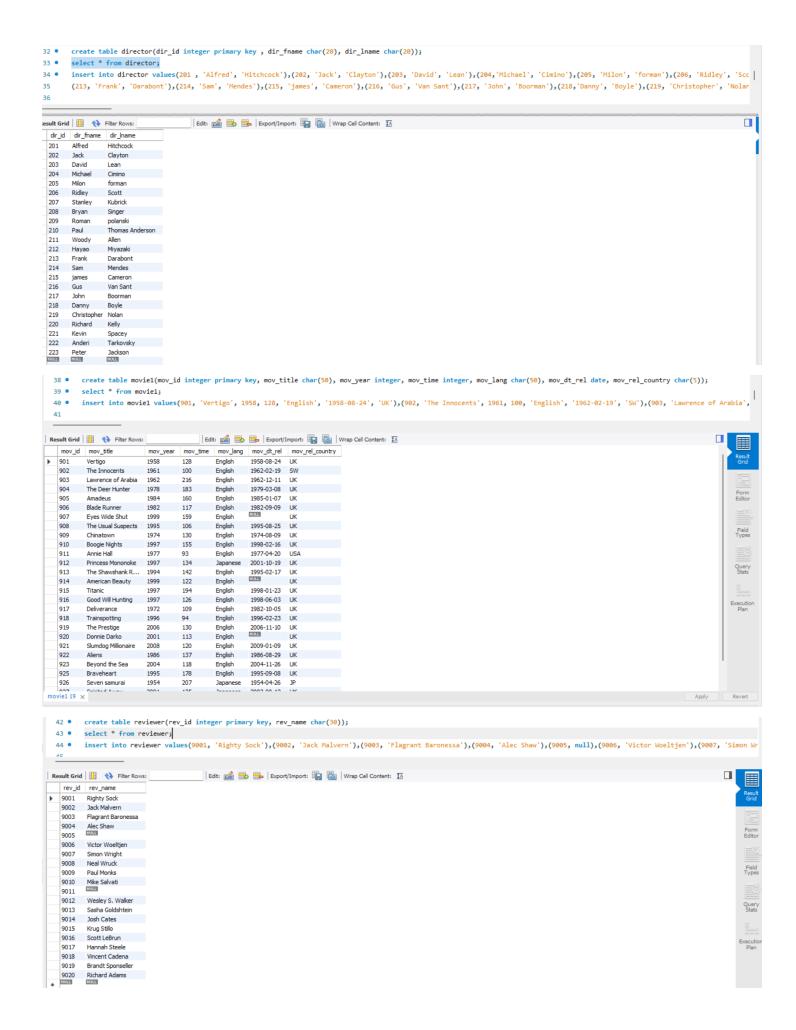
SBI 3 ASSESSMENT

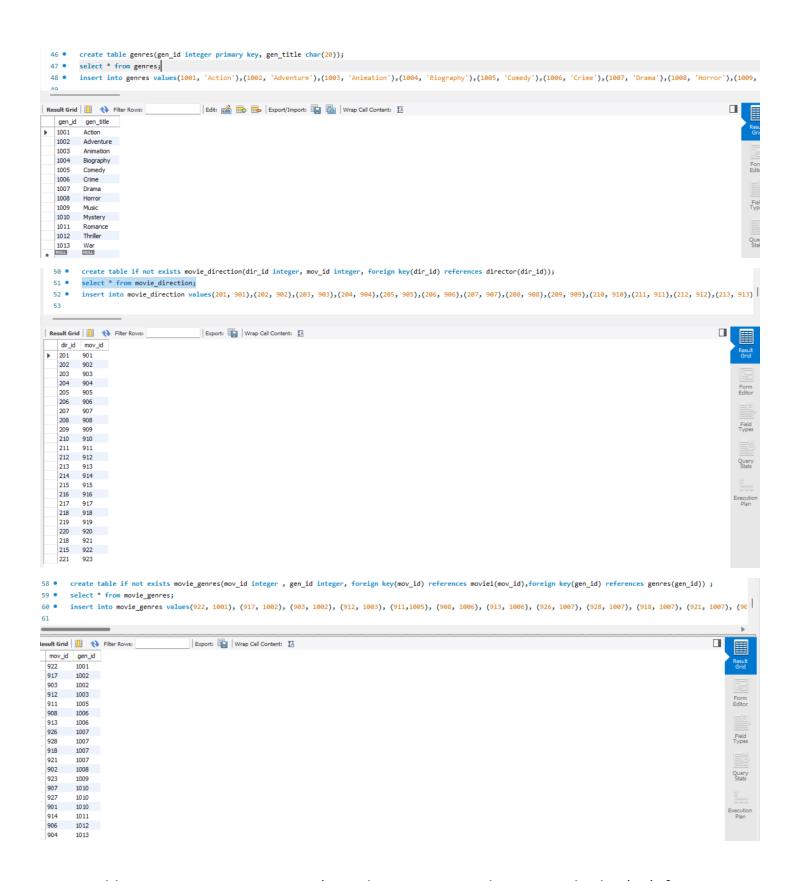
1. Create Database project_movie_data and deploy table data according to ER diagram.

```
1 • create database project_movie_data;
2 • use project_movie_data;
3
4
```

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







create table IF NOT exists movie_cast(act_id integer, mov_id integer, role char(30), foreign key(act_id) references actor(act_id), foreign key(mov_id) references movie1(mov_id)); select * from movie_cast; insert into movie_cast values(101, 901, 'John Scottie Ferguson'), (102, 902, 'Miss Giddens'),

```
(103, 903, 'T.E.Lawrence')
,(104, 904, 'Michael'),
(105, 905, 'Antonio Salieri'),
(106, 906, 'Dick 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');
```

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 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		

create table rating(mov_id integer, rev_id integer, rev_stars integer, num_o_ratings integer, foreign key(mov_id) references movie1(mov_id), foreign key(rev_id) references reveiwer(rev_id)); select * from rating;

insert into rating values(901, 9001, 8.4, 263575),

(902, 9002, 7.9, 20207),

(903, 9003, 8.3, 202778),

(906, 9005, 8.2, 484746),

(924, 9006, 7.3, null),

(908, 9007, 8.6, 779489),

(909, 9008, null, 227235),

(910, 9009, 3, 195961),

(911, 9010, 8.1, 203875),

(912, 9011, 8.4, null),

(914, 9013, 7, 862618),

(915, 9001, 7.7, 830095),

(916, 9014, 4, 642132),

(925, 9015, 7.7, 81328),

(918, 9016, null, 580301),

(920, 9017, 8.1, 609451),

(921, 9018, 8, 667758),

(922, 9019, 8.4, 511613),

(923, 9020, 6.7, 13091);

mov_id	rev_id	rev_stars	num_o_ratings
901	9001	8.4	263575
902	9002	7.9	20207
903	9003	8.3	202778
906	9005	8.2	484746
924	9006	7.3	HULL
908	9007	8.6	779489
909	9008	NULL	227235
910	9009	3	195961
911	9010	8.1	203875
912	9011	8.4	MULL
914	9013	7	862618
915	9001	7.7	830095
916	9014	4	642132
925	9015	7.7	81328
918	9016	NULL	580301
920	9017	8.1	609451

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"));

mov_title
The Innocents

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;



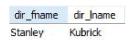
5. Write a query in SQL to list all the information of the actors who played a role in the movie 'Deliverance'

```
FROM ACTOR
WHERE ACT_ID IN(
SELECT ACT_ID
FROM MOVIE_CAST
WHERE MOV_ID IN (
SELECT MOV_ID
FROM movie1
WHERE MOVIE_TITLE="Deliverance"
));
```

act_id	act_fname	act_Iname	act_gender
117	Jon	Voight	М

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 d.dir_fname, d.dir_lname
from director d, movie_direction md
where d.dir_id = md.dir_id
and md.mov_id in(select mov_id from movie where mov_title = 'Eyes Wide Shut');
```



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 movie1 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";

mov_title	mov_year	mov_dt_rel	dir_fname	dir_Iname	act_fname	act_Iname
Chinatown	1974	1974-08-09	Roman	Polanski	Jack	Nicholson