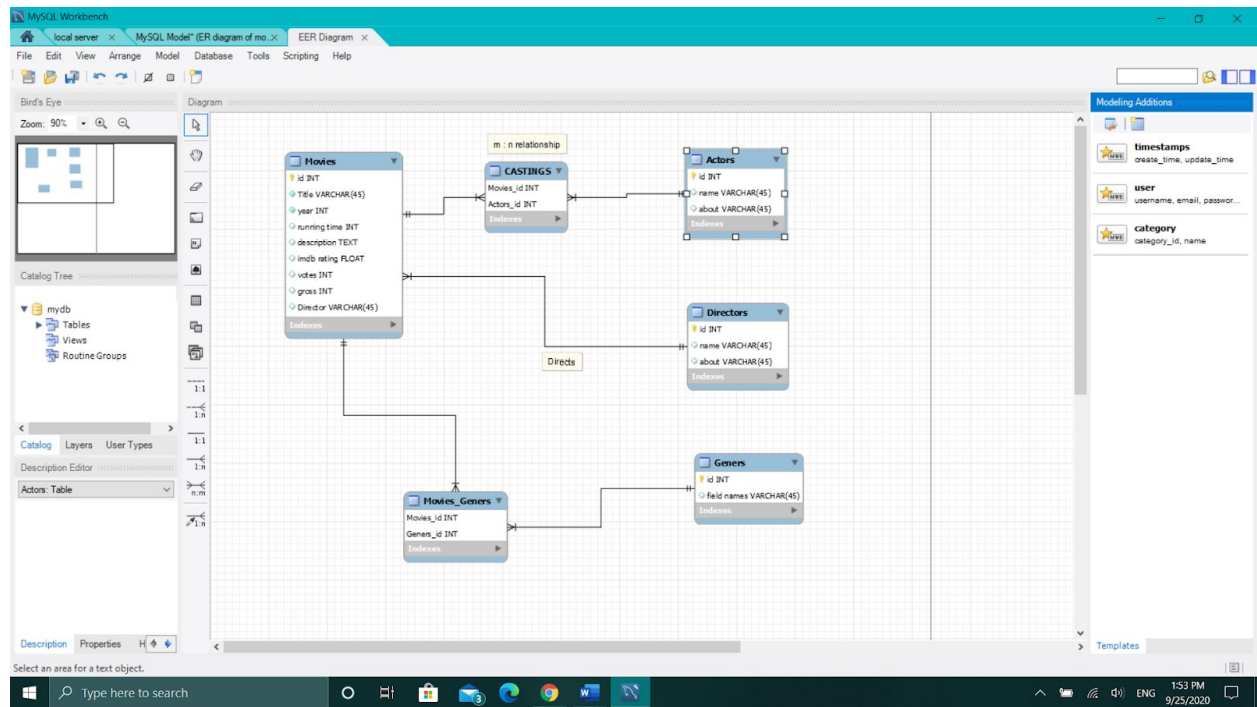


ASSIGNMENT 2

1.SHOWCASE ONE MANY TO MANY RELATIONSHIP.



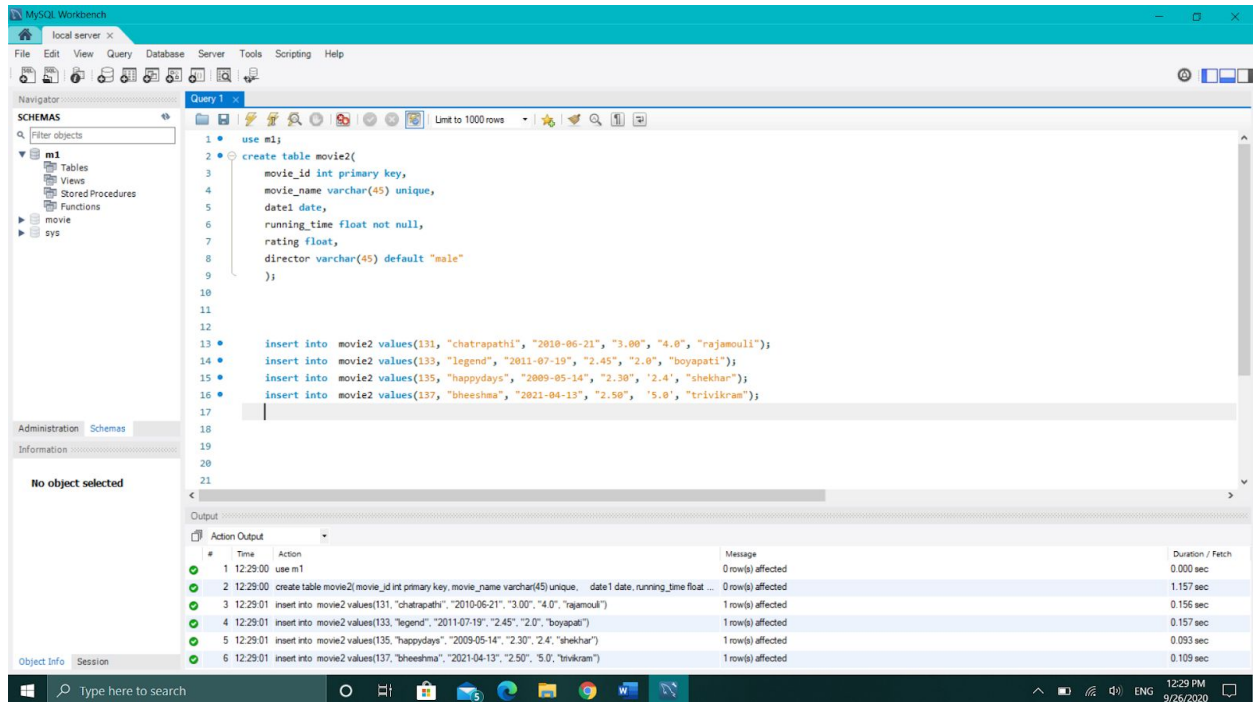
2.REPRESENT COMPOSITE KEY AND WEAK ENTITY IN YOUR DATABASE

WEAK ENTITY:- Genres

Composite keys:- movies_id and actors_id

3.Show Violation of Primary Key, Unique Not Null and default key constraints through insertion.

Inserting Data into the tables



The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'm1' selected. The main editor window shows a SQL query with the following code:

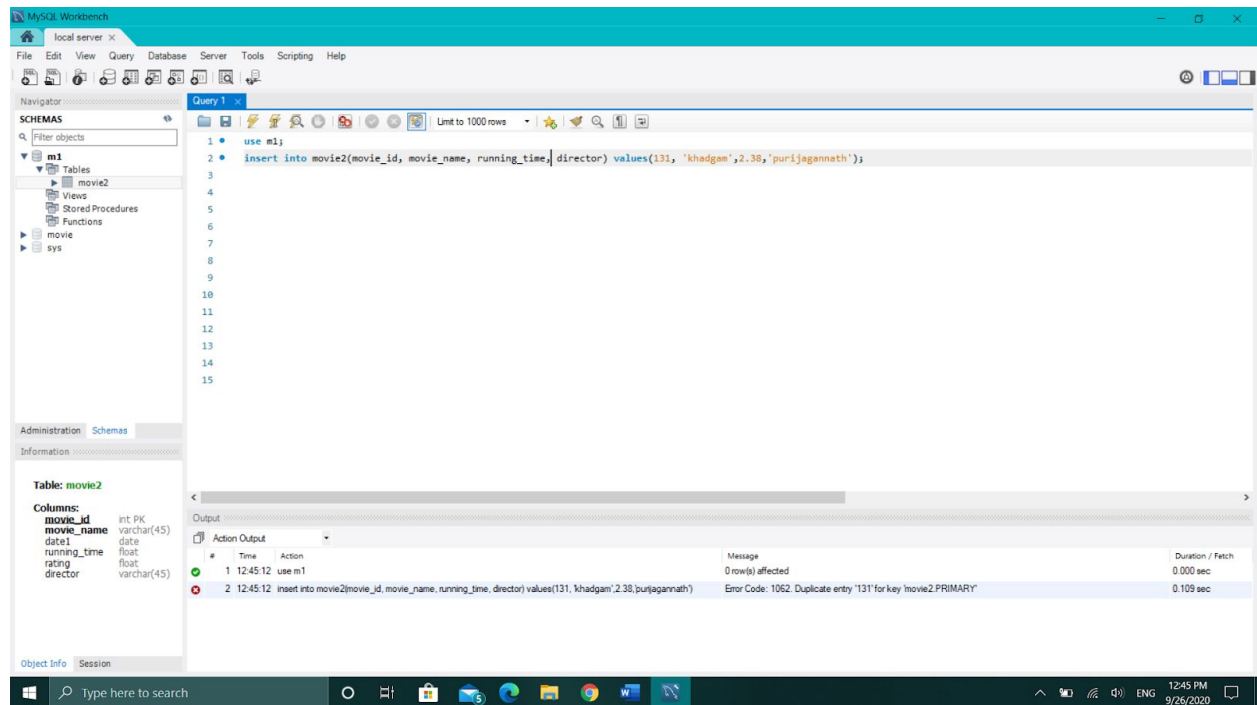
```
1 use m1;
2 create table movie2(
3     movie_id int primary key,
4     movie_name varchar(45) unique,
5     date1 date,
6     running_time float not null,
7     rating float,
8     director varchar(45) default "male"
9 );
10
11
12
13
14 insert into movie2 values(131, "chatrapathi", "2010-06-21", "3.00", "4.0", "rajamouli");
15 insert into movie2 values(133, "legend", "2011-07-19", "2.45", "2.0", "boyapati");
16 insert into movie2 values(135, "happydays", "2009-05-14", "2.30", "2.4", "shekhar");
17 insert into movie2 values(137, "bheeshma", "2021-04-13", "2.50", "5.0", "trivikram");
18
19
20
21
```

The bottom output window shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	12:29:00	use m1	0 row(s) affected	0.000 sec
2	12:29:00	create table movie2(movie_id int primary key, movie_name varchar(45) unique, date1 date, running_time float not null, rating float, director varchar(45) default "male")	0 row(s) affected	1.157 sec
3	12:29:01	insert into movie2 values(131, "chatrapathi", "2010-06-21", "3.00", "4.0", "rajamouli")	1 row(s) affected	0.156 sec
4	12:29:01	insert into movie2 values(133, "legend", "2011-07-19", "2.45", "2.0", "boyapati")	1 row(s) affected	0.157 sec
5	12:29:01	insert into movie2 values(135, "happydays", "2009-05-14", "2.30", "2.4", "shekhar")	1 row(s) affected	0.093 sec
6	12:29:01	insert into movie2 values(137, "bheeshma", "2021-04-13", "2.50", "5.0", "trivikram")	1 row(s) affected	0.109 sec

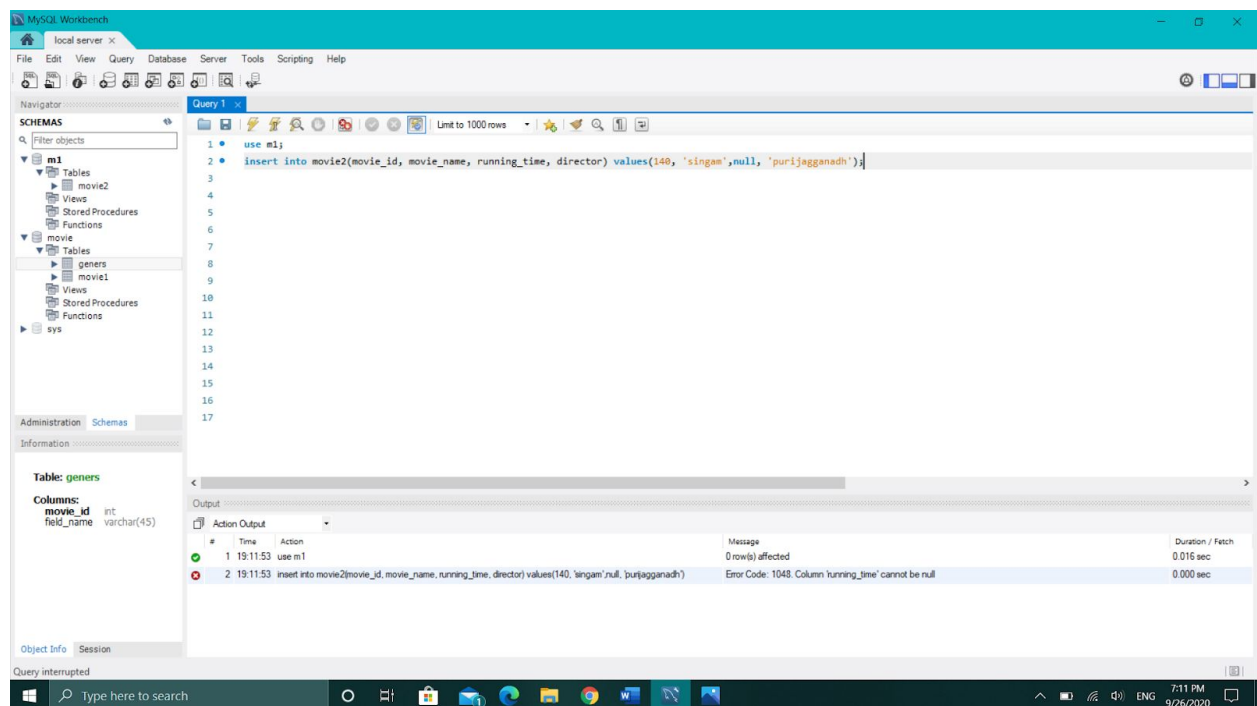
CHECKING PRIMARY KEY AND UNIQUE

When trying to insert duplicate value for attribute movie_id primary key

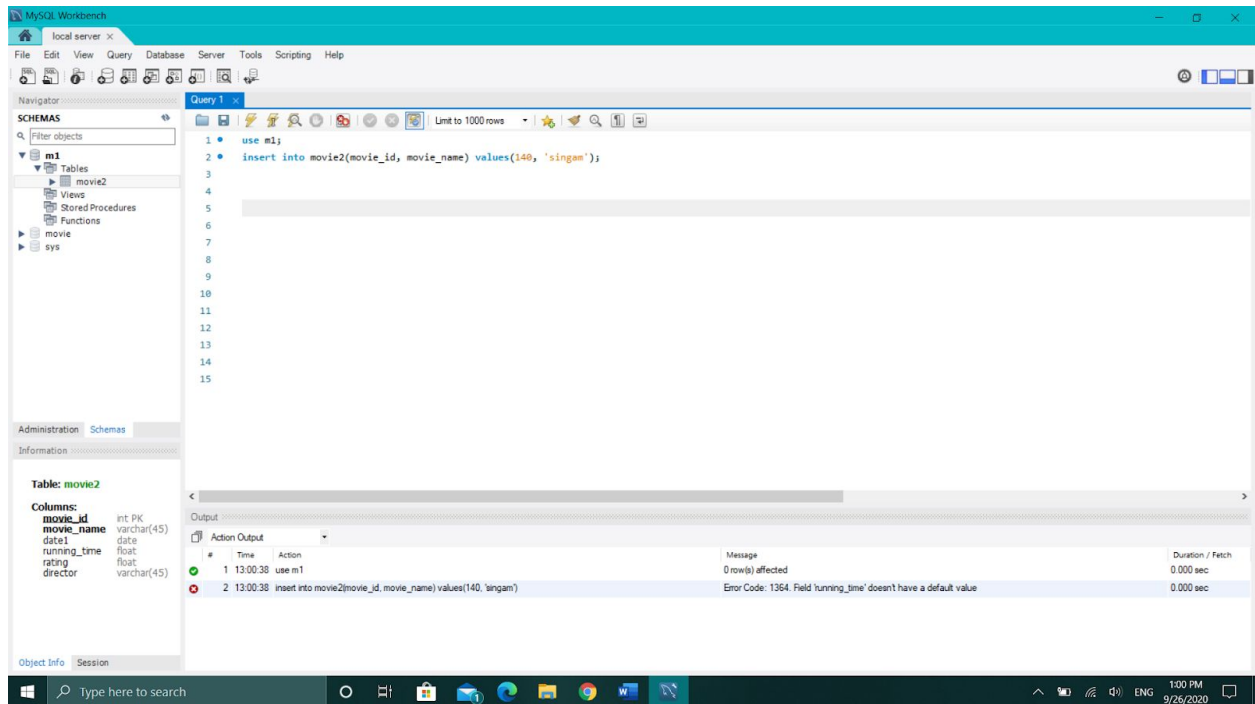


CHECKING NOT NULL AND DEFAULT KEY

NOT NULL



DEFAULT KEY



5.INSERT TUPLES INTO THE DATABASE AND SEE HOW FOREIGN KEY CONSTRAINT WORKS IF YOU TRY TO INSERT INTO DEPENDENT TABLE LIST.

Foreign key(movie_id) in genres table which is referencing to movie_id in movies table.

Trying into insert data into genres table without inserting into movie table then:

MySQL Workbench

local server x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 x

Limit to 1000 rows

1 use movie;
2 insert into genres values(160, "drama/sc-fi");
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

SCHMAS

Filter objects

m1
Tables
movie2
Views
Stored Procedures
Functions
movie
Tables
genres
movie1
Views
Stored Procedures
Functions
sys

Administration Schemas

Information

Table: genres

Columns:
movie_id int
field_name varchar(45)

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	13:43:15	use movie	0 row(s) affected	0.000 sec
2	13:43:15	insert into genres values(160, "drama/sc-fi")	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('movie`.`genres', 'CONSTR...	0.109 sec

Object Info Session

Type here to search

1:43 PM 9/26/2020

