3. Show violation of Primary key, Unique, Not null, and default key constraints through insertion.

Ans.

create database movie1;

use movie1;

create table movie2(movie\_id int primary key, movie\_name varchar(45) unique, budget int not null, lead\_role\_gender varchar(45) default "male");

insert into movie2(movie\_id, movie\_name, budget) values(123, "Valimai", 50000);

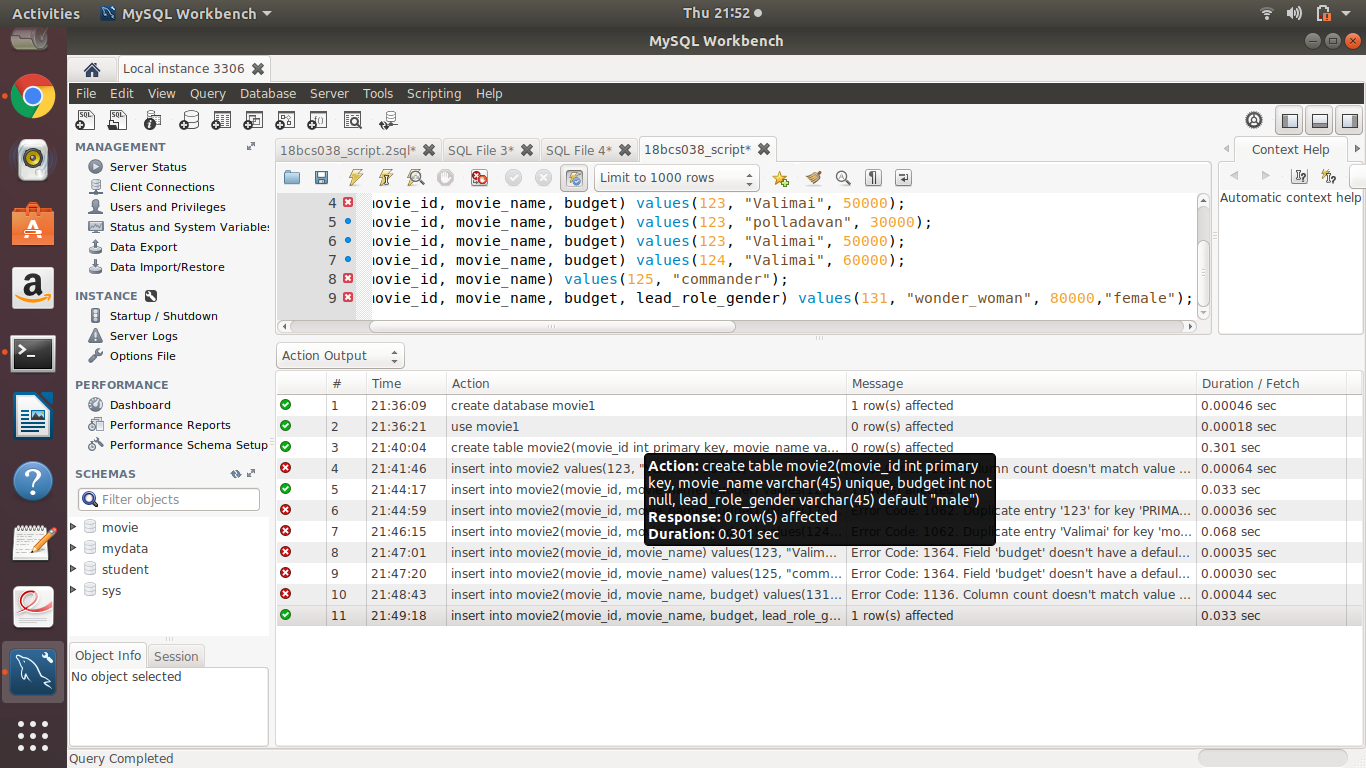
insert into movie2(movie\_id, movie\_name, budget) values(123, "polladavan", 30000);

insert into movie2(movie\_id, movie\_name, budget) values(123, "Valimai", 50000);

insert into movie2(movie\_id, movie\_name, budget) values(124, "Valimai", 60000);

insert into movie2(movie\_id, movie\_name) values(125, "commander");

insert into movie2(movie\_id, movie\_name, budget, lead\_role\_gender) values(131, "wonder\_woman", 80000,"female");



4. One derived attribute should be added to the database design.

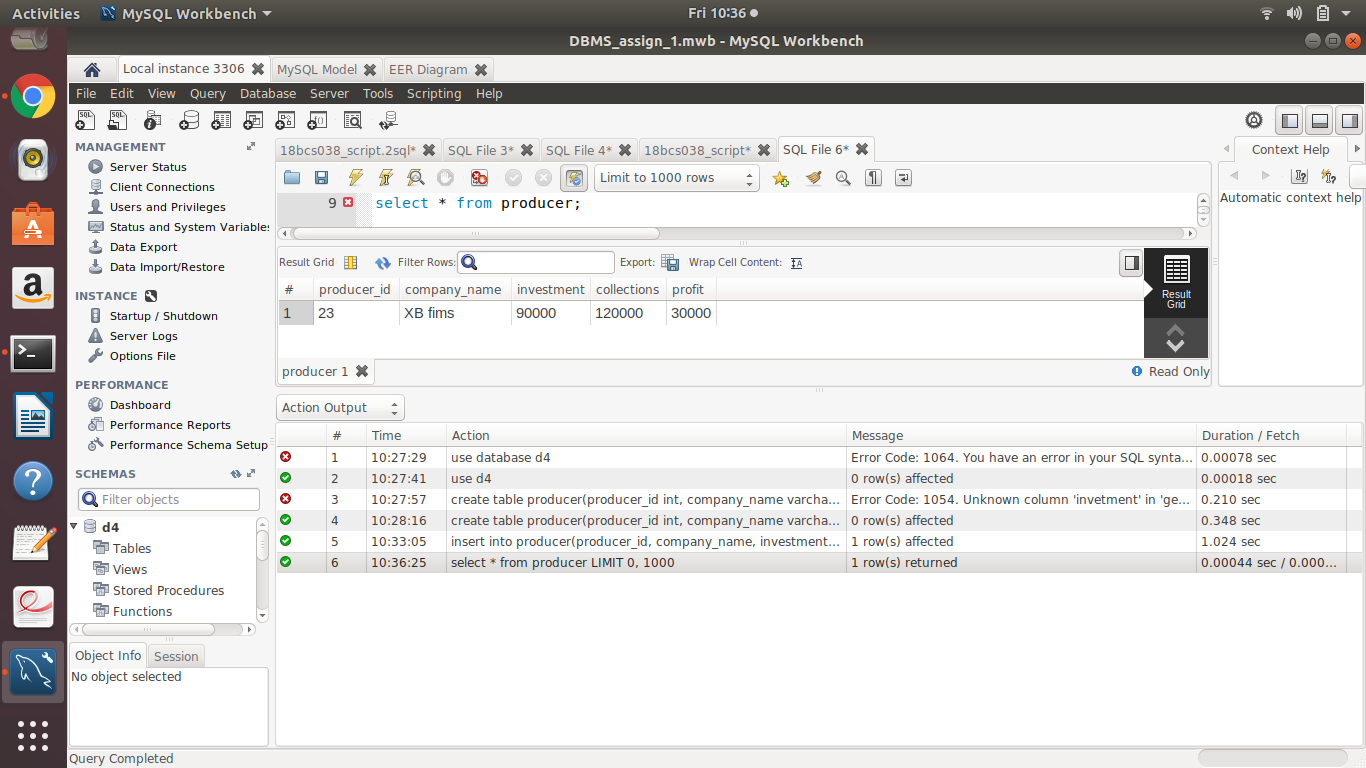
Ans.

use d4;

create table producer(producer\_id int, company\_name varchar(45), investment int , collections int, profit double as (collections-investment));

insert into producer(producer\_id, company\_name, investment, collections) values (23, "XB fims", 90000, 120000);

select \* from producer;



5. Insert tuples into the table and see how foreign key constraint works if you try to insert into the dependent table first.

Ans.

create database d4;

create table movie4(movie\_id int primary key, movie\_name varchar(45) unique, budget int not null, lead\_role\_gender varchar(45) default "male");

create table songs1(movie\_id int, song\_name varchar(45), singer varchar(45), composer varchar(45), foreign key(movie\_id) references movie4(movie\_id));

insert into songs1 values(123, "Dil\_bechara", "Mariam", "ar\_rahman");

