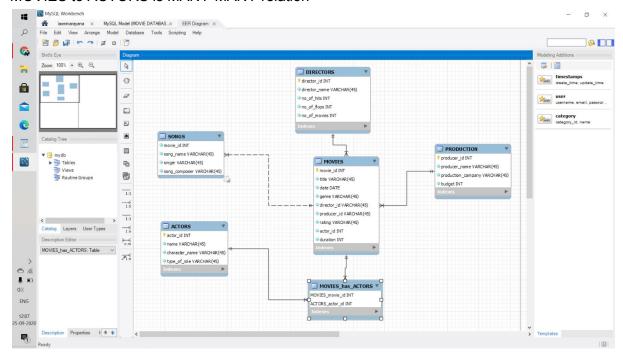
K LAXMI NARAYANA 18BCS037

1. Showcase one Many-Many relation.

MOVIES to ACTORS is MANY-MANY relation



2. Represent Composite key and Weak Entity in your Database

Weak entity: "songs" in the above er diagram

Composite key: In directors entity (no.of hits,no. of flops) is composite key.

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

create database movie;

use movie;

create table mov_dup(movie_id int primary key, movie_name varchar(45) unique, budget int not null, lead_role_gender varchar(45) default "male");

insert into mov dup(movie id, movie name, budget) values(123, "Valimai", 50000);

insert into mov_dup(movie_id, movie_name, budget) values(123, "polladavan", 30000);

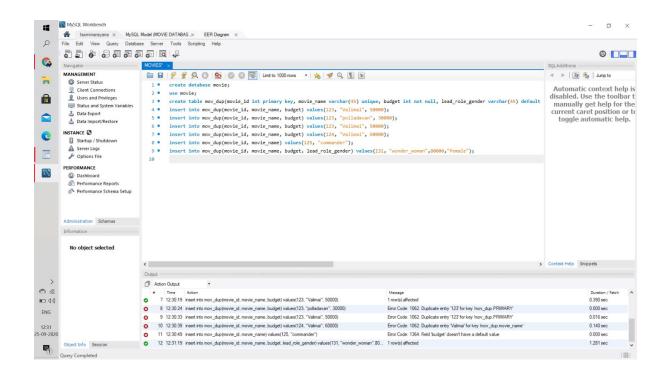
insert into mov_dup(movie_id, movie_name, budget) values(123, "Valimai", 50000);

insert into mov dup(movie id, movie name, budget) values(124, "Valimai", 60000);

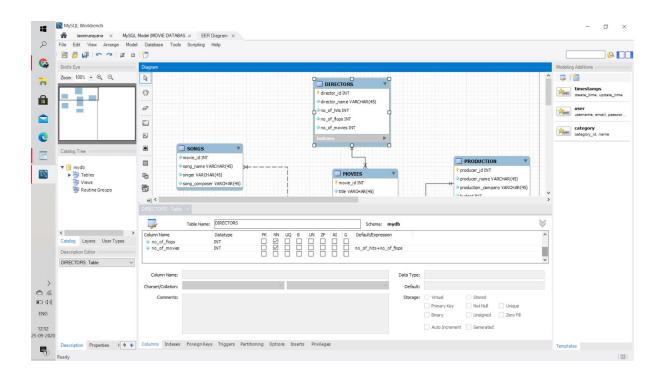
insert into mov dup(movie id, movie name) values(125, "commander");

insert into mov_dup(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



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

create table mov_dup(movie_id int primary key, movie_name varchar(45) unique, budget int not null, lead_role_gender varchar(45) default "male");

insert into mov_dup(movie_id, movie_name, budget) values(123, "Valimai", 50000); insert into mov_dup(movie_id, movie_name, budget) values(123, "polladavan", 30000); insert into mov_dup(movie_id, movie_name, budget) values(123, "Valimai", 50000); insert into mov_dup(movie_id, movie_name, budget) values(124, "Valimai", 60000); insert into mov_dup(movie_id, movie_name) values(125, "commander"); insert into mov_dup(movie_id, movie_name, budget, lead_role_gender) values(131, "wonder_woman",80000,"female"); create table songs1(movie_id int, song_name varchar(45), singer varchar(45), composer varchar(45),

foreign key(movie_id) references mov_dup(movie_id)); insert into songs1 values(123, "Dil_bechara", "Mariam", "ar_rahman");

