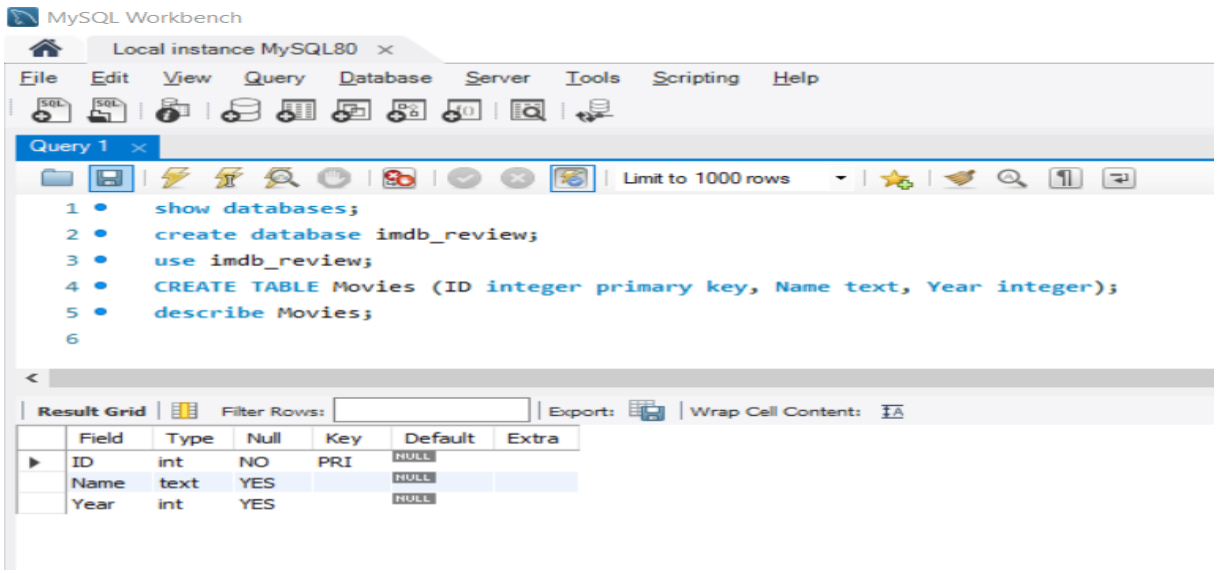
SQL TASK ON IMDb Ratings

show databases;
create database imdb_review;
use imdb_review;

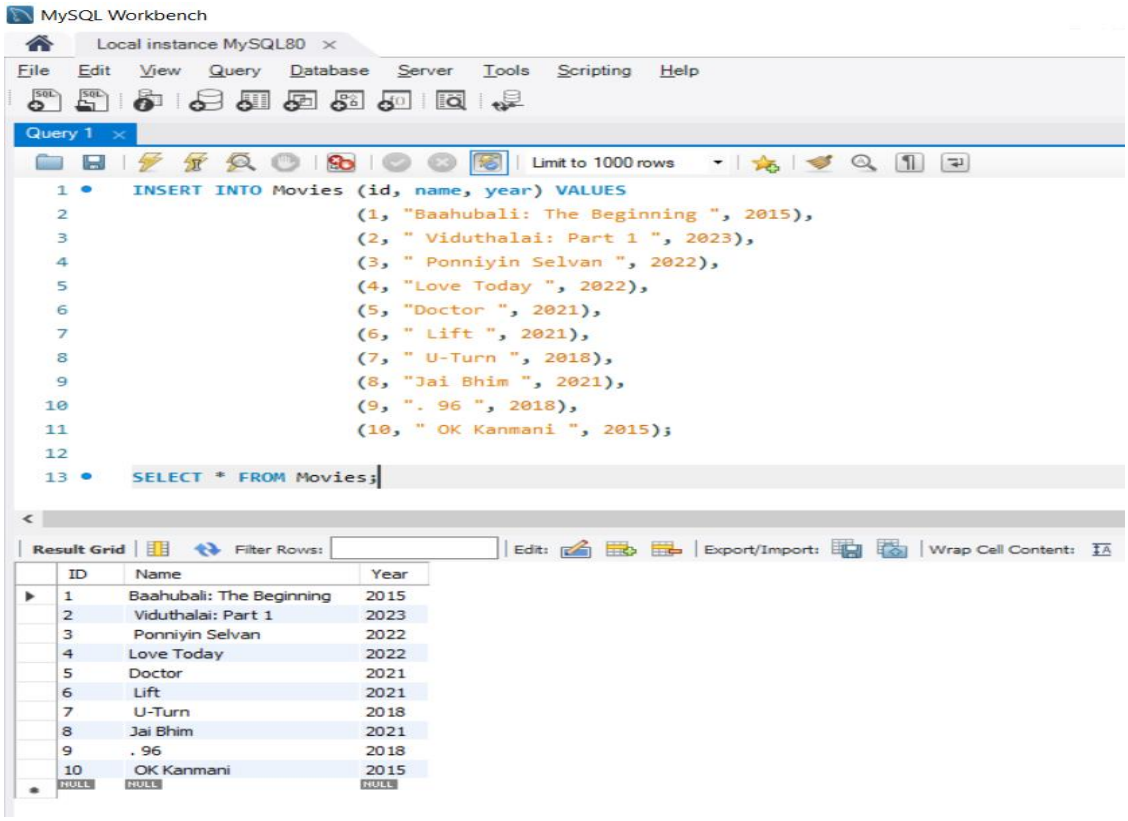
1. Movie should have multiple media (Video or Image)

CREATE TABLE Movies (ID integer primary key, Name text, Year integer);

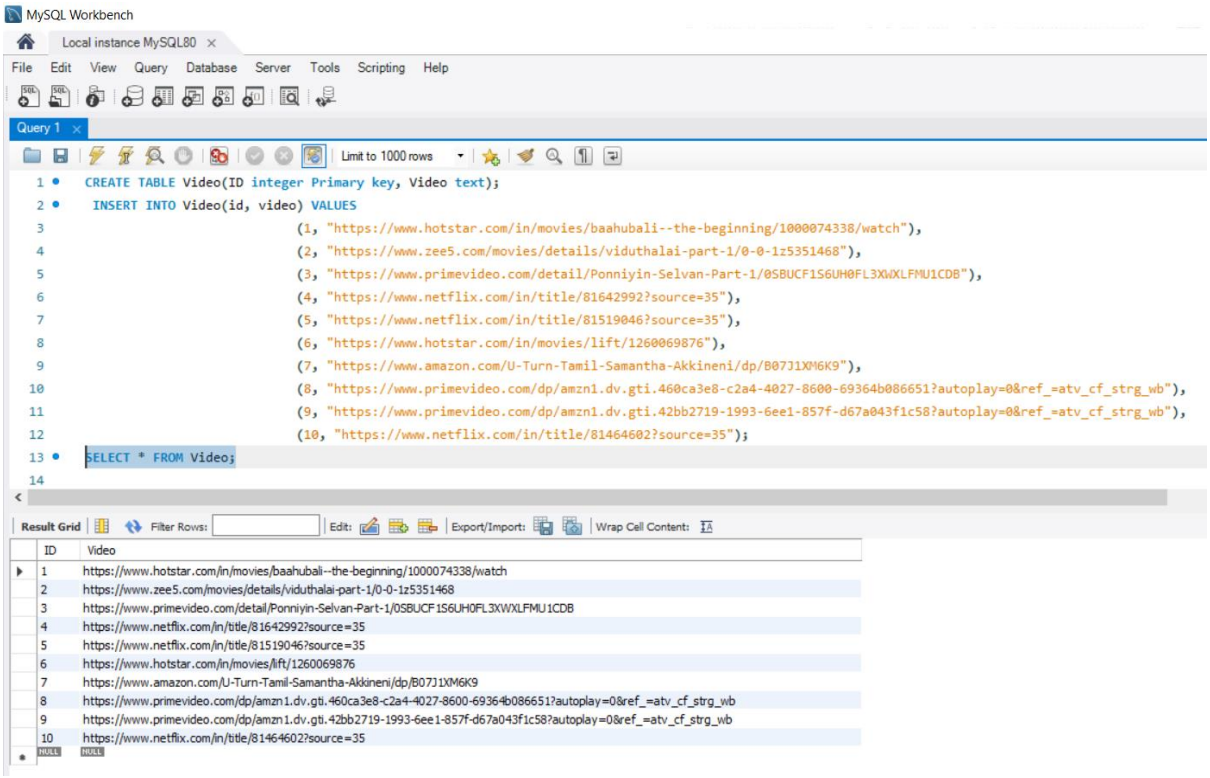


INSERT INTO Movies (id, name, year) VALUES
(1, "Baahubali: The Beginning ", 2015),
(2, " Viduthalai: Part 1 ", 2023),
(3, " Ponniyin Selvan ", 2022),
(4, "Love Today ", 2022),
(5, "Doctor ", 2021),
(6, " Lift ", 2021),
(7, " U-Turn ", 2018),
(8, "Jai Bhim ", 2021),
(9, ". 96 ", 2018),
(10, " OK Kanmani ", 2015);

SELECT * FROM Movies;



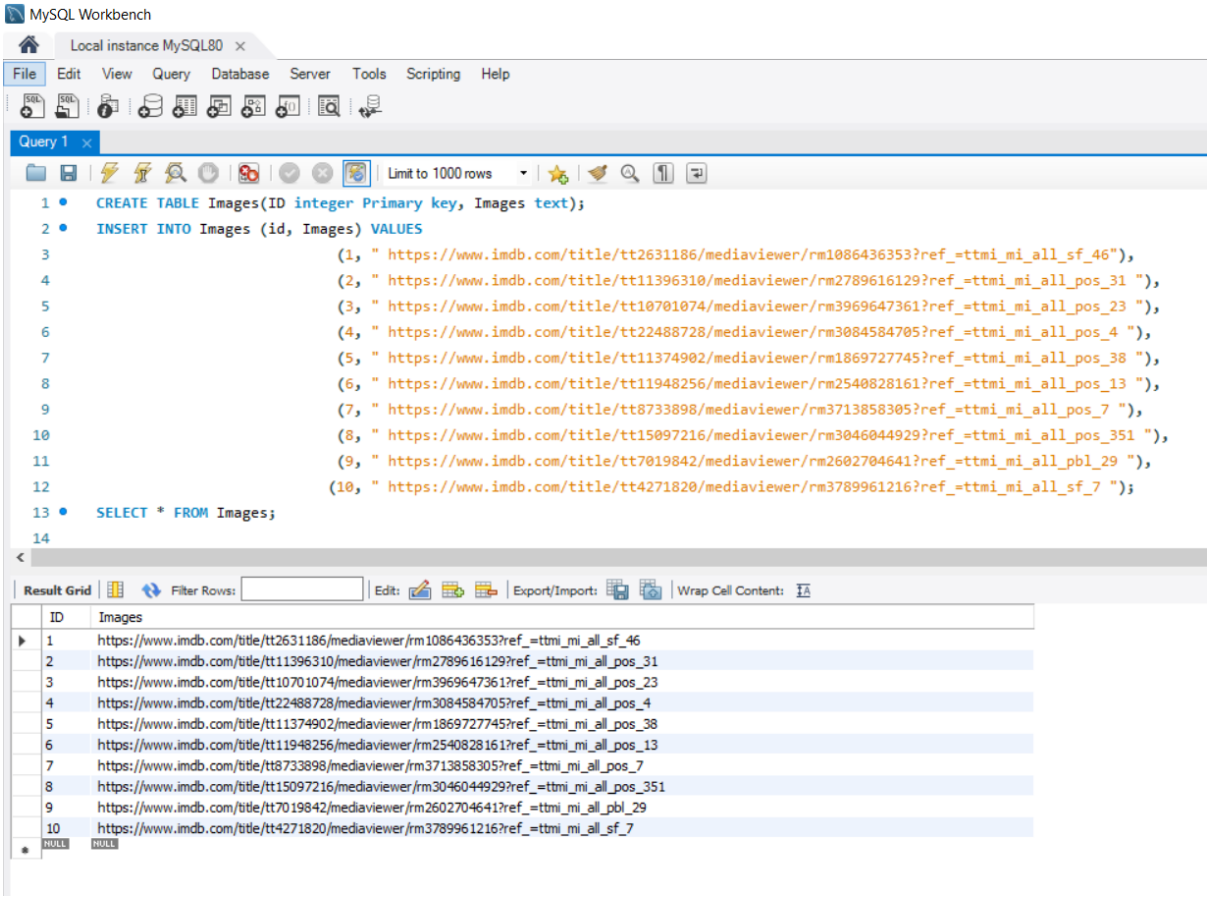
CREATE TABLE Video(ID integer Primary key, Video text);
INSERT INTO Video(id, video) VALUES
(1, "https://www.hotstar.com/in/movies/baahubali--the-beginning/1000074338/watch"),
(2, "https://www.zee5.com/movies/details/viduthalai-part-1/0-0-1z5351468"),
(3, "https://www.primevideo.com/detail/Ponniyin-Selvan-Part-1/0SBUCF1S6UH0FL3XWXLFMU1CDB"),
(4, "https://www.netflix.com/in/title/81642992?source=35"),
(5, "https://www.netflix.com/in/title/81519046?source=35"),
(6, "https://www.hotstar.com/in/movies/lift/1260069876"),
(7, "https://www.amazon.com/U-Turn-Tamil-Samantha-Akkineni/dp/B07J1XM6K9"),
(8, "https://www.primevideo.com/dp/amzn1.dv.gti.460ca3e8-c2a4-4027-8600-69364b086651?autoplay=0&ref_=atv_cf_strg_wb"),
(9, "https://www.primevideo.com/dp/amzn1.dv.gti.42bb2719-1993-6ee1-857f-d67a043f1c58?autoplay=0&ref_=atv_cf_strg_wb"),
(10, "https://www.netflix.com/in/title/81464602?source=35");
SELECT * FROM Video;



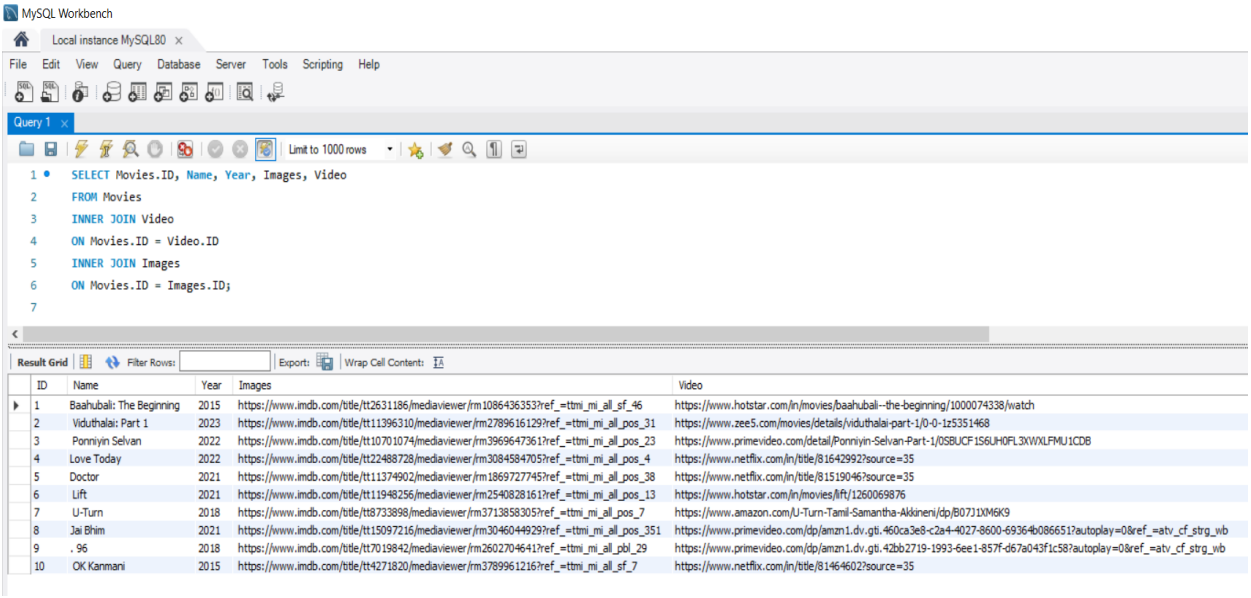
CREATE TABLE Images(ID integer Primary key, Images text);
INSERT INTO Images (id, images) VALUES
(1, "
https://www.imdb.com/title/tt2631186/mediaviewer/rm1086436353?ref_=ttmi_mi_all_sf_46"),
(2, "
https://www.imdb.com/title/tt11396310/mediaviewer/rm2789616129?ref_=ttmi_mi_all_pos_31 "),
(3, "
https://www.imdb.com/title/tt10701074/mediaviewer/rm3969647361?ref_=ttmi_mi_all_pos_23 "),
(4, "
https://www.imdb.com/title/tt22488728/mediaviewer/rm3084584705?ref_=ttmi_mi_all_pos_4 "),
(5, "
https://www.imdb.com/title/tt11374902/mediaviewer/rm1869727745?ref_=ttmi_mi_all_pos_38 "),
(6, "
https://www.imdb.com/title/tt11948256/mediaviewer/rm2540828161?ref_=ttmi_mi_all_pos_13 "),

(7, "
https://www.imdb.com/title/tt8733898/mediaviewer/rm3713858305?ref_=ttmi_mi_all_pos_7 "),
(8, "
https://www.imdb.com/title/tt15097216/mediaviewer/rm3046044929?ref_=ttmi_mi_all_pos_351 "),
(9, "
https://www.imdb.com/title/tt7019842/mediaviewer/rm2602704641?ref_=ttmi_mi_all_pbl_29 "),
(10, "
https://www.imdb.com/title/tt4271820/mediaviewer/rm3789961216?ref_=ttmi_mi_all_sf_7 ");

SELECT * FROM Images;

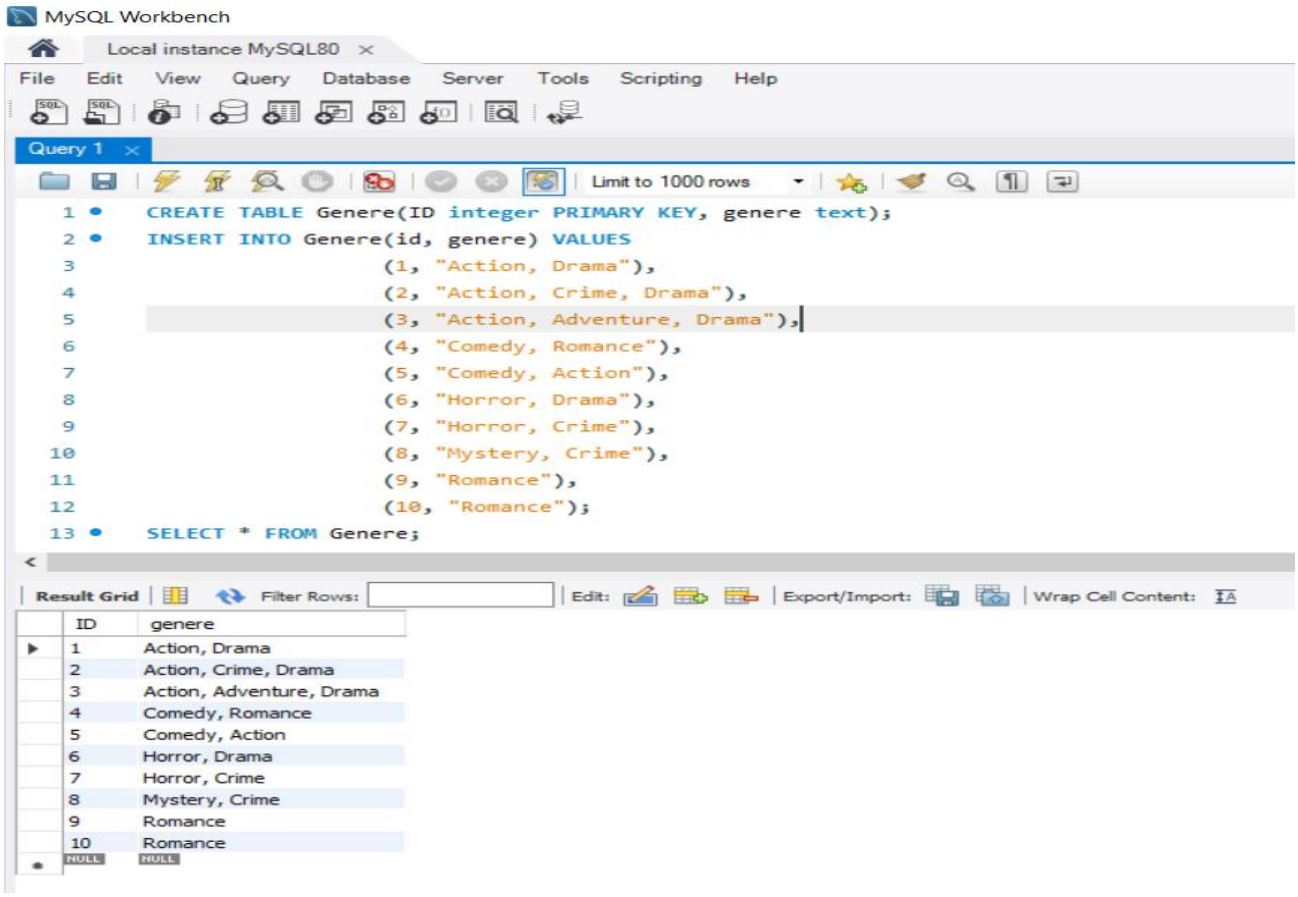


```
SELECT Movies.ID, Name, Year, Images, Video
FROM Movies
INNER JOIN Video
ON Movies.ID = Video.ID
INNER JOIN Images
ON Movies.ID = Images.ID;
```



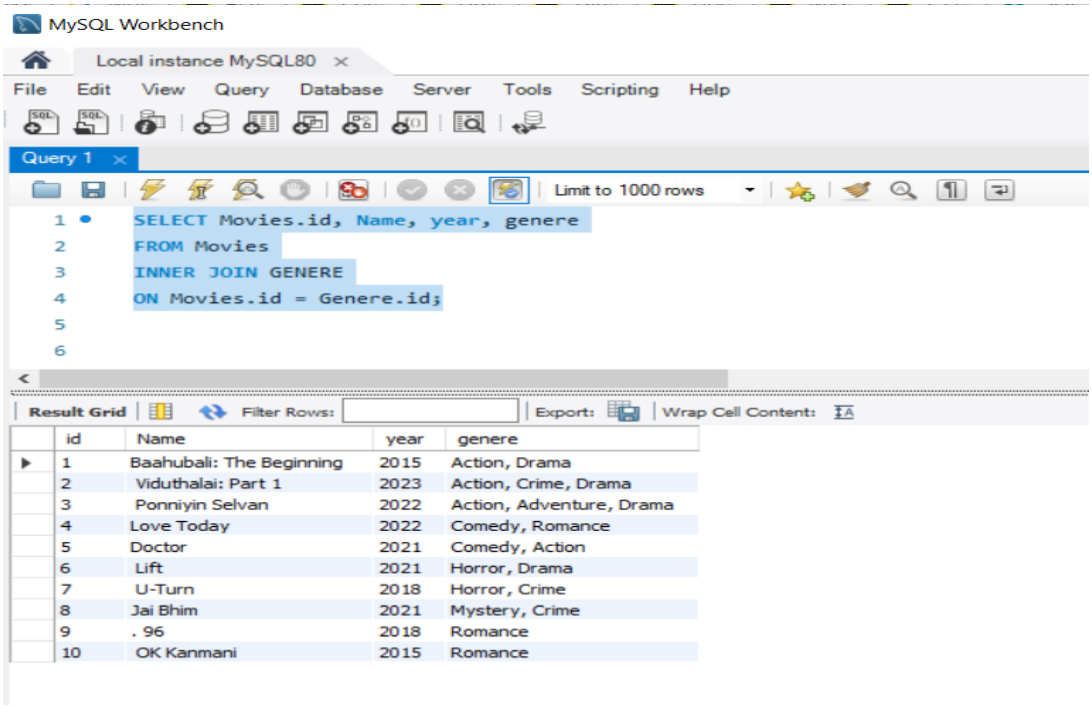
ID	Name	Year	Images	Video
1	Baahubali: The Beginning	2015	https://www.imdb.com/title/tt2631186/mediaviewer/rm1086436353?ref_=ttmi_mi_all_sf_46	https://www.hotstar.com/in/movies/baahubali--the-beginning/1000074338/watch
2	Viduthalai: Part 1	2023	https://www.imdb.com/title/tt11396310/mediaviewer/rm2789616129?ref_=ttmi_mi_all_pos_31	https://www.zee5.com/movies/details/viduthalai-part-1/0-0-1z5351468
3	Ponniyin Selvan	2022	https://www.imdb.com/title/tt10701074/mediaviewer/rm3969647361?ref_=ttmi_mi_all_pos_23	https://www.primevideo.com/detail/Ponniyin-Selvan-Part-1/0SBUCF1S6UH0FL3XWXLFMU1CDB
4	Love Today	2022	https://www.imdb.com/title/tt22488728/mediaviewer/rm3084584705?ref_=ttmi_mi_all_pos_4	https://www.netflix.com/in/title/81642992?source=35
5	Doctor	2021	https://www.imdb.com/title/tt11374902/mediaviewer/rm1869727745?ref_=ttmi_mi_all_pos_38	https://www.netflix.com/in/title/81519046?source=35
6	Lift	2021	https://www.imdb.com/title/tt11948256/mediaviewer/rm2540828161?ref_=ttmi_mi_all_pos_13	https://www.hotstar.com/in/movies/lift/1260069876
7	U-Turn	2018	https://www.imdb.com/title/tt8733898/mediaviewer/rm3713858305?ref_=ttmi_mi_all_pos_7	https://www.amazon.com/U-Turn-Tamil-Samantha-Akkineni/dp/B07J1XM6K9
8	Jai Bhim	2021	https://www.imdb.com/title/tt15097216/mediaviewer/rm3046044929?ref_=ttmi_mi_all_pos_351	https://www.primevideo.com/dp/amzn1.dv.gti.460ca3e8-c2a4-4027-8600-69364b086651?autoplay=0&ref_=atv_cf_strg_wb
9	. 96	2018	https://www.imdb.com/title/tt7019842/mediaviewer/rm2602704641?ref_=ttmi_mi_all_pbl_29	https://www.primevideo.com/dp/amzn1.dv.gti.42bb2719-1993-6ee1-857f-d67a043f1c58?autoplay=0&ref_=atv_cf_strg_wb
10	OK Kanmani	2015	https://www.imdb.com/title/tt4271820/mediaviewer/rm3789961216?ref_=ttmi_mi_all_sf_7	https://www.netflix.com/in/title/81464602?source=35

```
CREATE TABLE Genere(ID integer PRIMARY KEY, genere text);
INSERT INTO Genere(id, genere) VALUES
            (1, "Action, Drama"),
            (2, "Action, Crime, Drama"),
            (3, "Action, Adventure, Drama"),
            (4, "Comedy, Romance"),
            (5, "Comedy, Action"),
            (6, "Horror, Drama"),
            (7, "Horror, Crime"),
            (8, "Mystery, Crime"),
            (9, "Romance"),
            (10, "Romance");
SELECT * FROM Genere;
```



2. Movie can belong to multiple Genre

```
SELECT Movies.id, Name, year, genere
FROM Movies
INNER JOIN GENERE
ON Movies.id = Genere.id;
```



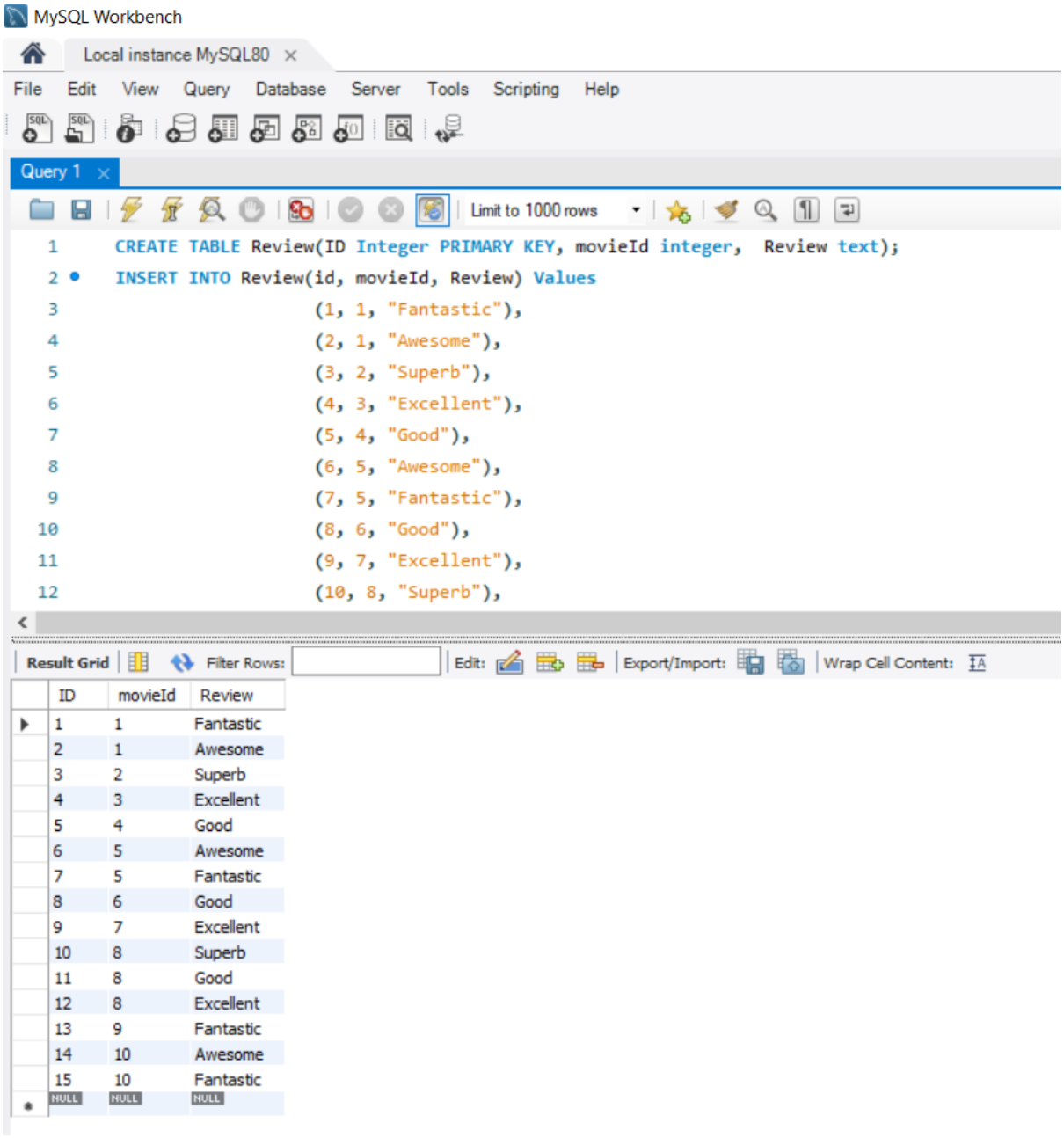
3. Movie can have multiple reviews and Review can belongs to a user

CREATE TABLE Review(ID Integer PRIMARY KEY, movieId integer, Review text);

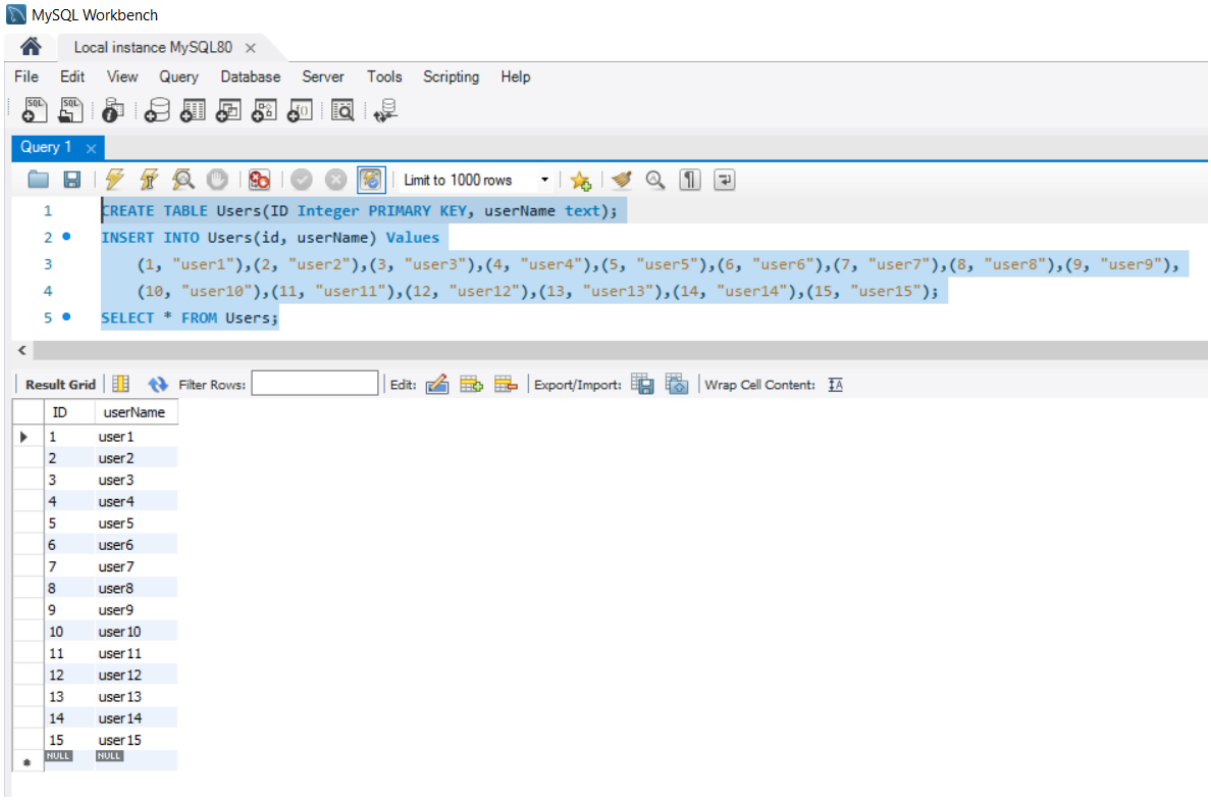
INSERT INTO Review(id, movieId, Review) Values

(1, 1, "Fantastic"),
(2, 1, "Awesome"),
(3, 2, "Superb"),
(4, 3, "Excellent"),
(5, 4, "Good"),
(6, 5, "Awesome"),
(7, 5, "Fantastic"),
(8, 6, "Good"),
(9, 7, "Excellent"),
(10, 8, "Superb"),
(11, 8, "Good"),
(12, 8, "Excellent"),
(13, 9, "Fantastic"),
(14, 10, "Awesome"),
(15, 10, "Fantastic");

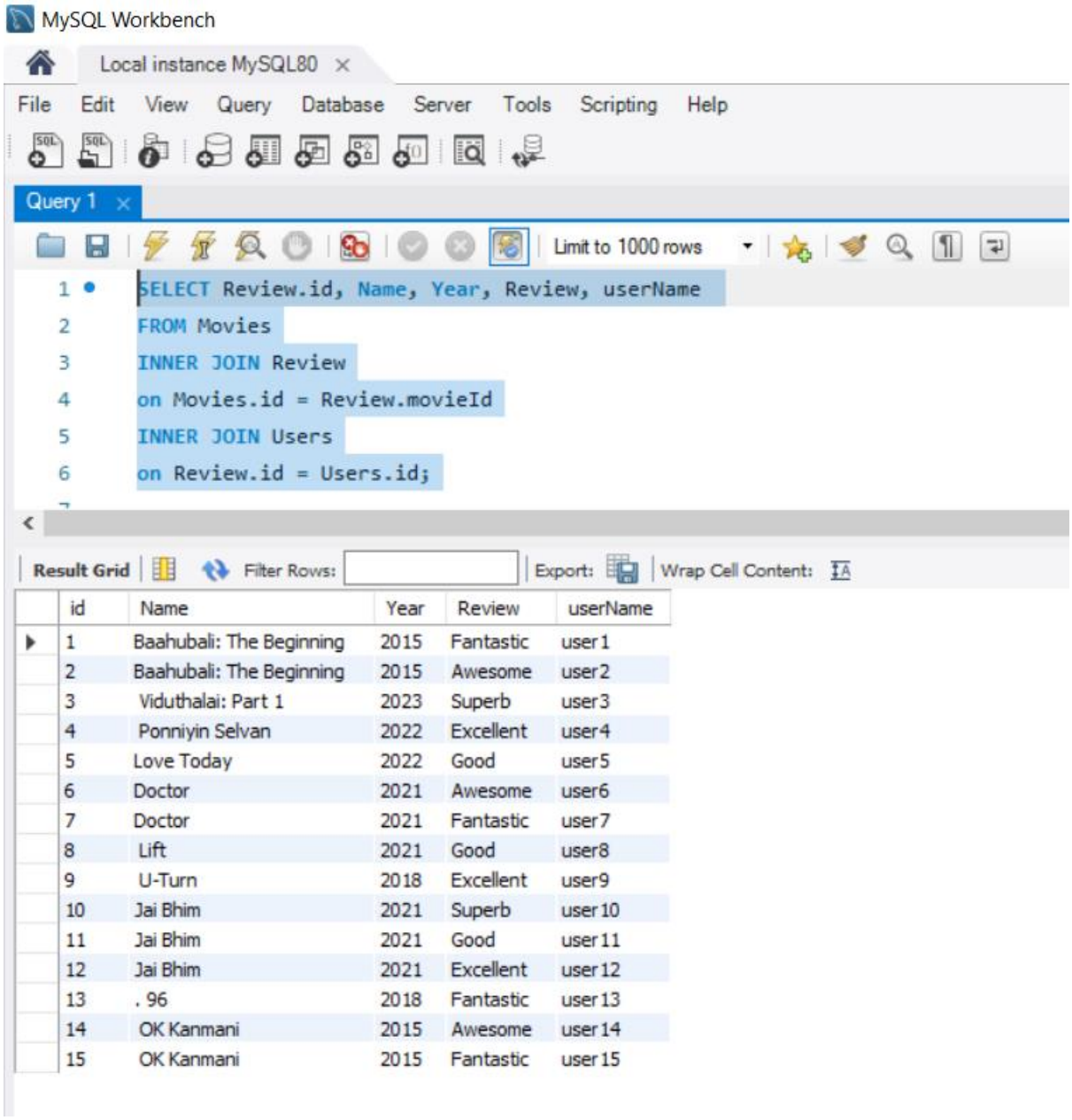
SELECT * FROM Review;



CREATE TABLE Users(ID Integer PRIMARY KEY, userName text);
INSERT INTO Users(id, userName) Values
(1, "user1"),(2, "user2"),(3, "user3"),(4, "user4"),(5, "user5"),(6, "user6"),(7, "user7"),(8, "user8"),(9, "user9"),(10, "user10"),(11, "user11"),(12, "user12"),(13, "user13"),(14, "user14"),(15, "user15");
SELECT * FROM Users;

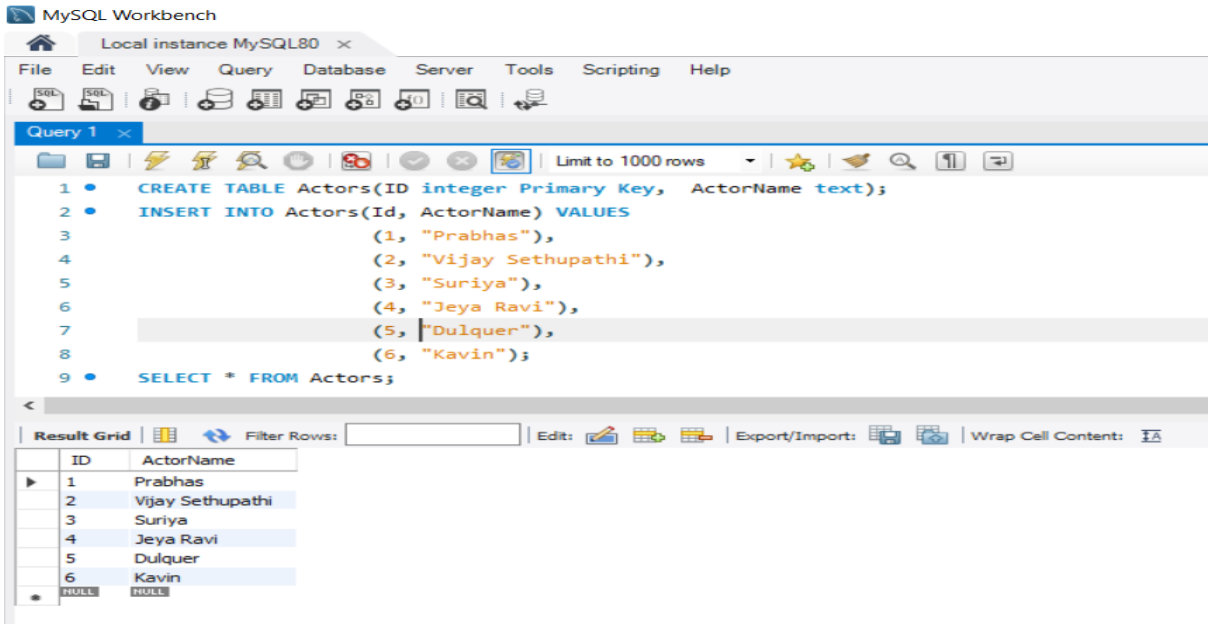


SELECT Review.id, Name, Year, Review, userName
FROM Movies
INNER JOIN Review
on Movies.id = Review.movieId
INNER JOIN Users
on Review.id = Users.id;

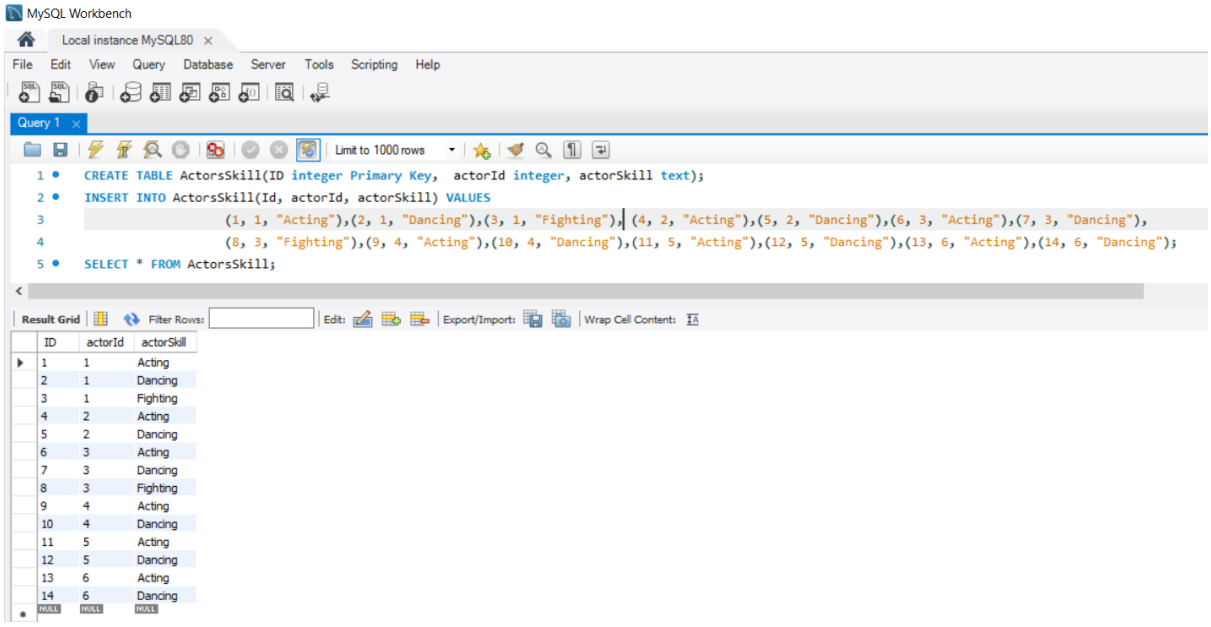


Artist can have multiple skills

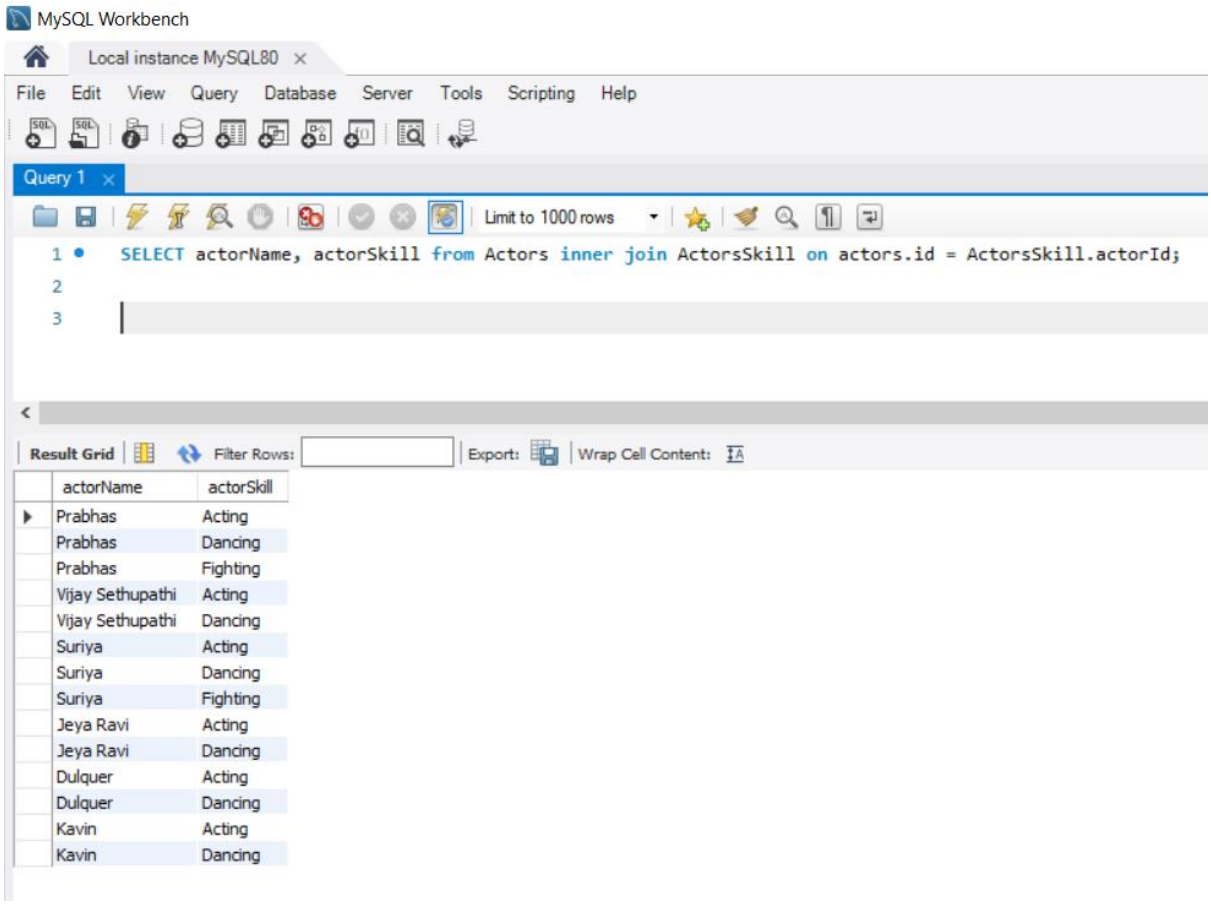
```
CREATE TABLE Actors(ID integer Primary Key,  ActorName text);
INSERT INTO Actors(Id, ActorName) VALUES
                (1, "Prabhas"),
                (2, "Vijay Sethupathi"),
                (3, "Suriya"),
                (4, "Jeya Ravi"),
                (5, "Dulquer"),
                (6, "Kavin");
SELECT * FROM Actors;
```



CREATE TABLE ActorsSkill(ID integer Primary Key, actorId integer, actorSkill text);
INSERT INTO ActorsSkill(Id, actorId, actorSkill) VALUES
(1, 1, "Acting"),(2, 1, "Dancing"),(3, 1, "Fighting"), (4, 2, "Acting"),(5, 2, "Dancing"),(6, 3, "Acting"),(7, 3, "Dancing"), (8, 3, "Fighting"),(9, 4, "Acting"),(10, 4, "Dancing"),(11, 5, "Acting"),(12, 5, "Dancing"),(13, 6, "Acting"),(14, 6, "Dancing");
SELECT * FROM ActorsSkill;

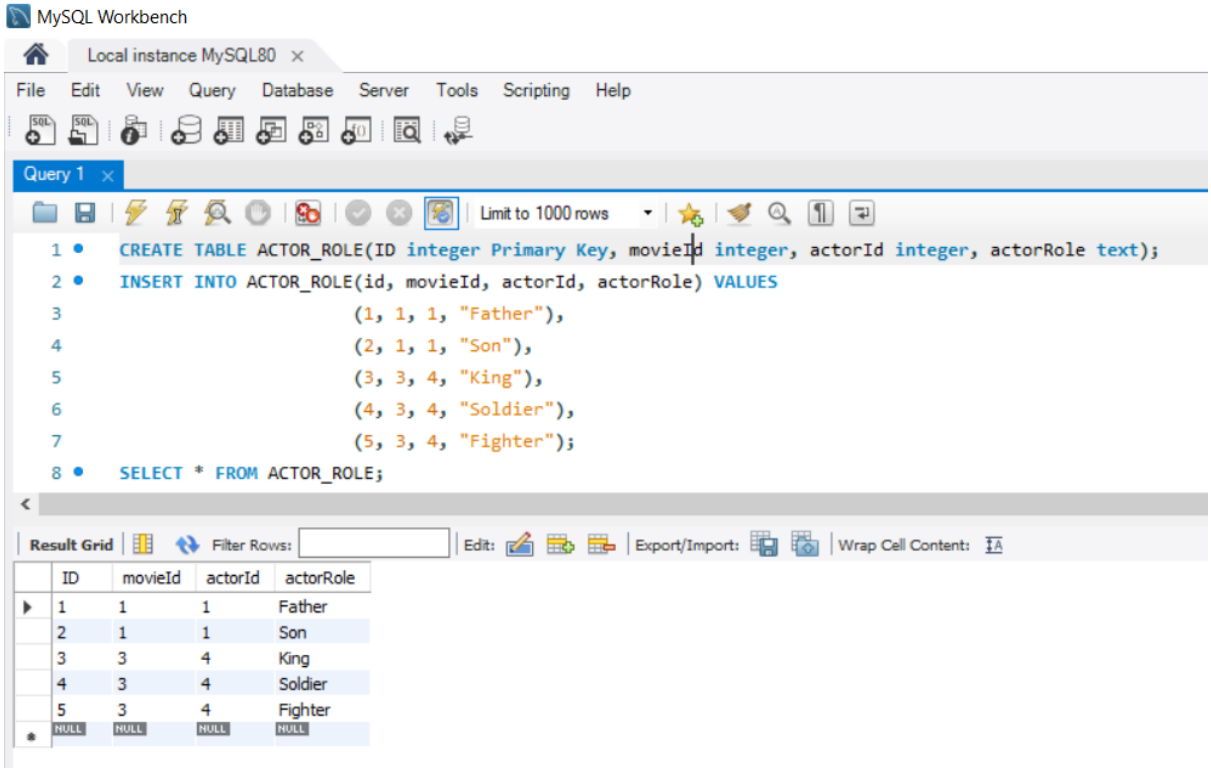


SELECT actorName, actorSkill from Actors inner join ActorsSkill on actors.id = ActorsSkill.actorId;



5. Artist can perform multiple role in a single film

CREATE TABLE ACTOR_ROLE(ID integer Primary Key, movieId integer, actorId integer, actorRole text);
INSERT INTO ACTOR_ROLE(id, movieId, actorId, actorRole) VALUES
(1, 1, 1, "Father"),
(2, 1, 1, "Son"),
(3, 3, 4, "King"),
(4, 3, 4, "Soldier"),
(5, 3, 4, "Fighter");
SELECT * FROM ACTOR_ROLE;



SELECT name, year, actorName, actorRole
FROM Movies
INNER JOIN Actors
ON actors.id = movies.id
INNER JOIN actor_role
ON movies.id = actor_role.movieId;