

**.Consider the schema for Movie Database:**

**ACTOR(Act\_id, Act\_Name, Act\_Gender)**

**DIRECTOR(Dir\_id, Dir\_Name, Dir\_Phone)**

**MOVIES(Mov\_id, Mov\_Title, Mov\_Year, Mov\_Lang, Dir\_id)**

**MOVIE\_CAST(Act\_id, Mov\_id, Role)**

**RATING(Mov\_id, Rev\_Stars)**

**CREATE SCHEMA MOVIE;**

### **ACTOR**

```
CREATE TABLE `movie`.`actor` (  
  `act_id` INT NOT NULL,  
  `act_name` VARCHAR(45) NOT NULL,  
  `act_gender` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`act_id`));
```

### **DIRECTOR**

```
CREATE TABLE `movie`.`director` (  
  `dir_id` INT NOT NULL,  
  `dir_name` VARCHAR(45) NOT NULL,  
  `dir_phone` INT NOT NULL,  
  PRIMARY KEY (`dir_id`));
```

### **MOVIES**

```
CREATE TABLE `movie`.`movies` (  
  `mov_id` INT NOT NULL,  
  `mov_title` VARCHAR(45) NOT NULL,  
  `mov_year` INT NOT NULL,  
  `mov_lang` VARCHAR(45) NOT NULL,  
  `dir_id` INT NOT NULL,  
  PRIMARY KEY (`mov_id`, `dir_id`),  
  FOREIGN KEY(`dir_id`)REFERENCES `movie`.`director`(`dir_id`));
```

### **MOVIE\_CAST**

```
CREATE TABLE `movie`.`movie_cast`(  
  `act_id` INT NOT NULL,  
  `mov_id` INT NOT NULL,  
  `role` VARCHAR(45) NOT NULL,  
  PRIMARY KEY(`mov_id`, `act_id`),  
  FOREIGN KEY(`mov_id`)REFERENCES `movie`.`movies`(`mov_id`),  
  FOREIGN KEY(`act_id`)REFERENCES `movie`.`actor`(`act_id`));
```

### **RATING**

```
CREATE TABLE `movie`.`rating`(  
  `mov_id` INT NOT NULL,  
  `rev_stars` INT NOT NULL,
```

```
PRIMARY KEY(`mov_id`),  
FOREIGN KEY(`mov_id`)REFERENCES `movie`.`movies`(`mov_id`));
```

```
INSERT INTO `movie`.`actor` (`act_id`, `act_name`, `act_gender`) VALUES ('101', 'sowmya',  
'f');  
INSERT INTO `movie`.`actor` (`act_id`, `act_name`, `act_gender`) VALUES ('102', 'radha', 'f');  
INSERT INTO `movie`.`actor` (`act_id`, `act_name`, `act_gender`) VALUES ('103', 'raghav',  
'm');  
INSERT INTO `movie`.`actor` (`act_id`, `act_name`, `act_gender`) VALUES ('104', 'sanjith',  
'm');
```

```
INSERT INTO `movie`.`director` (`dir_id`, `dir_name`, `dir_phone`) VALUES ('50', 'rajmouli',  
'8861621844');  
INSERT INTO `movie`.`director` (`dir_id`, `dir_name`, `dir_phone`) VALUES ('51', 'steven  
spielberg', '7760521044');  
INSERT INTO `movie`.`director` (`dir_id`, `dir_name`, `dir_phone`) VALUES ('52', 'hitchcock',  
'9964786122');  
INSERT INTO `movie`.`director` (`dir_id`, `dir_name`, `dir_phone`) VALUES ('53', 'karan',  
'8766488994');
```

```
INSERT INTO `movie`.`movies` (`mov_id`, `mov_title`, `mov_year`, `mov_lang`, `dir_id`)  
VALUES ('1001', 'kgf1', '2018', 'kannada', '51');  
INSERT INTO `movie`.`movies` (`mov_id`, `mov_title`, `mov_year`, `mov_lang`, `dir_id`)  
VALUES ('1002', 'bulbul', '2016', 'kannada', '51');  
INSERT INTO `movie`.`movies` (`mov_id`, `mov_title`, `mov_year`, `mov_lang`, `dir_id`)  
VALUES ('1003', 'bigil', '2019', 'tamil', '52');  
INSERT INTO `movie`.`movies` (`mov_id`, `mov_title`, `mov_year`, `mov_lang`, `dir_id`)  
VALUES ('1004', 'immaiku', '2018', 'telagu', '52');
```

```
INSERT INTO `movie`.`movie_cast` (`act_id`, `mov_id`, `role`) VALUES ('101', '1001',  
'heroine');  
INSERT INTO `movie`.`movie_cast` (`act_id`, `mov_id`, `role`) VALUES ('101', '1002',  
'heroine');  
INSERT INTO `movie`.`movie_cast` (`act_id`, `mov_id`, `role`) VALUES ('103', '1003', 'hero');  
INSERT INTO `movie`.`movie_cast` (`act_id`, `mov_id`, `role`) VALUES ('103', '1002', 'guest');  
INSERT INTO `movie`.`movie_cast` (`act_id`, `mov_id`, `role`) VALUES ('104', '1004', 'hero');
```

```
INSERT INTO `movie`.`rating` (`mov_id`, `rev_stars`) VALUES ('1001', '4');  
INSERT INTO `movie`.`rating` (`mov_id`, `rev_stars`) VALUES ('1002', '2');  
INSERT INTO `movie`.`rating` (`mov_id`, `rev_stars`) VALUES ('1003', '5');  
INSERT INTO `movie`.`rating` (`mov_id`, `rev_stars`) VALUES ('1004', '4');
```

```
1 select mov_title from movies
where dir_id in (select dir_id from director
where dir_name='Hitchcock');
```

	mov_title ▲
▶	bigil
	immaiku

```
2 select mov_title from movies m, movie_cast mv
where m.mov_id=mv.mov_id and act_id in( select act_id
from movie_cast group by act_id
having count( act_id)>1)
group by mov_title having count(*)>1;
```

	mov_title
▶	bulbul

```
3 select act_name from actor a
join movie_cast c on
a.act_id=c.act_id
join movies m on
c.mov_id=m.mov_id
where m.mov_year not between 2000 and 2015;
```

	act_name
▶	sowmya
	sowmya
	raghav
	raghav
	sanjith

```
4 select mov_title ,max(rev_stars) from movies
inner join rating using(mov_id)
group by mov_title having max(rev_stars)>0
order by mov_title;
```

	mov_title	max(rev_stars)
▶	bigil	5
	bulbul	2
	immaiku	4
	kgf1	4

```
5 update rating
set rev_stars=5 where mov_id
in(select mov_id from movies where dir_id
in(select dir_id from director where dir_name='Steven Spielberg'));
```

