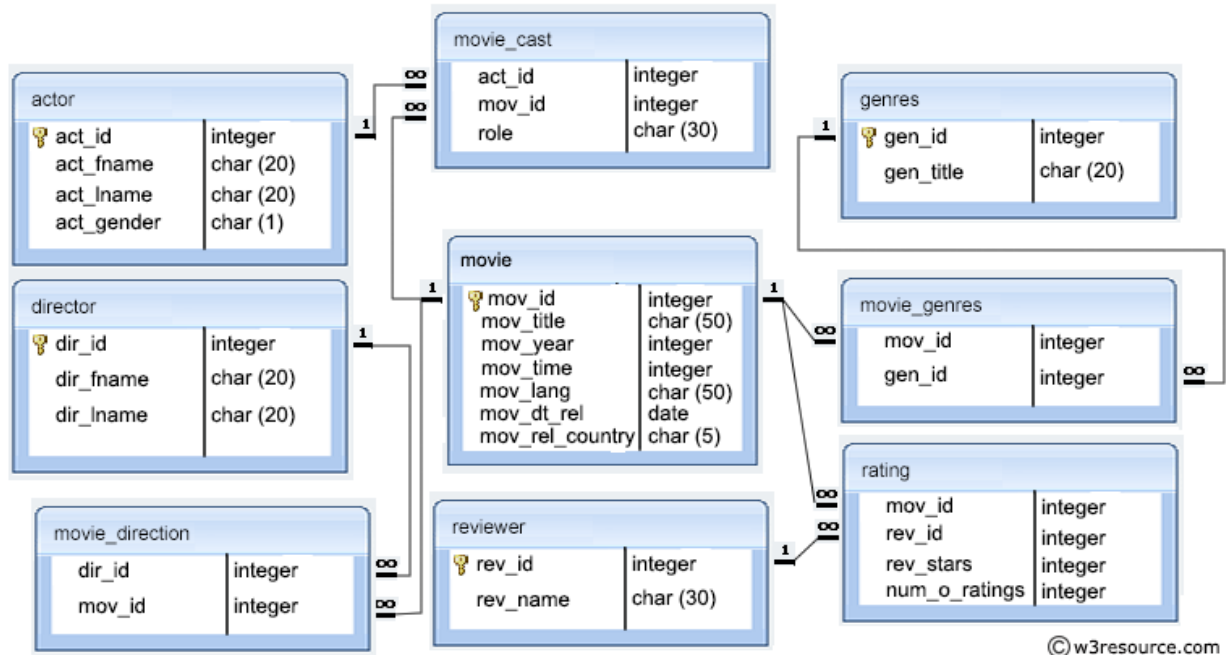


Day -14

W3RESOURCE SQL SUBQUERY



Structure of Movie Database

Database can be downloaded from w3resources and also from my Github link

<https://github.com/im-amit-kumar/100-DAYS-OF-DATA-SCIENCE/tree/main/Day%20-%202014>

1. From the following tables, write a SQL query to find the actors who played a role in the movie 'Annie Hall'. Return all the fields of actor table.

```
select * from actor where act_id in (  
select act_id from movie_cast where  
mov_id in (select mov_id from movie where mov_title ='Annie Hall'  
));
```

2. From the following tables, write a SQL query to find the director who directed a movie that casted a role for 'Eyes Wide Shut'. Return director first name, last name.

```
select dir_fname , dir_lname from director
```

```
where dir_id in (
```

```
select dir_id from movie_direction where mov_id in (
```

```
select mov_id from movie_cast where role = any (
```

```
select role from movie_cast where mov_id in (
```

```
select mov_id from movie where mov_title= 'Eyes Wide Shut'
```

```
));
```

- 3. From the following table, write a SQL query to find those movies, which released in the country besides UK. Return movie title, movie year, movie time, date of release, releasing country.**

```
select mov_title , mov_year , mov_time ,  
mov_dt_rel as "Date of Release", mov_rel_country as "Country Release"  
from movie where mov_rel_country <> 'UK';
```

- 4. From the following tables, write a SQL query to find those movies where reviewer is unknown. Return movie title, year, release date, director first name, last name, actor first name, last name.**

```
SELECT mov_title, mov_year, mov_dt_rel, dir_fname, dir_lname,
```

```
act_fname, act_lname
```

```
FROM movie a, movie_direction b, director c, rating d, reviewer e, actor f, movie_cast g
```

```
where a.mov_id = b.mov_id
```

```
AND b.dir_id=c.dir_id  
AND a.mov_id=d.mov_id  
AND d.rev_id=e.rev_id  
AND a.mov_id=g.mov_id  
AND g.act_id=f.act_id  
AND e.rev_name IS NULL;
```

- 5. From the following tables, write a SQL query to find those movies directed by the director whose first name is 'Woody' and last name is 'Allen'. Return movie title.**

```
select mov_title from movie where mov_id = (  
  
select mov_id from movie_direction where dir_id = (  
  
select dir_id from director where dir_fname = 'Woody' AND dir_lname = 'Allen'  
  
)  
  
);
```

- 6. From the following tables, write a SQL query to find those years, which produced at least one movie and that, received a rating of more than three stars. Sort the result-set in ascending order by movie year. Return movie year.**

```
select distinct mov_year from movie where mov_id in (  
  
select mov_id from rating where rev_stars >3  
  
) order by mov_year;
```

- 7. From the following table, write a SQL query to find those movies, which have no ratings. Return movie title.**

```
select distinct mov_title from movie
where mov_id in (

select mov_id from movie where mov_id not in (

select mov_id from rating

));
```

- 8. From the following tables, write a SQL query to find those reviewers who have rated nothing for some movies. Return reviewer name.**

```
select distinct rev_name from reviewer

where rev_id in (

select rev_id from rating where rev_stars is null

);
```