Movie Database Question and Solution

```
-- Create databas for storing the tables
create database movies;
use movies;
```

1. From the following table, write a SQL query to find the name and year of the movies. Return movie title, movie release year.

```
select mov_title,mov_year
from movie;
```

2. From the following table, write a SQL query to find when the movie 'American Beauty' released. Return movie release year.

```
select mov_title,mov_year
from movie
where mov_title = "American Beauty" ;
```

3. From the following table, write a SQL query to find the movie that was released in 1999. Return movie title.

```
select mov_title,mov_year
from movie
where mov_year = 1999 ;
```

4. From the following table, write a SQL query to find those movies, which were released before 1998. Return movie title.

```
select mov_title,mov_year
from movie
where mov_year < 1998 ;
```

5. From the following tables, write a SQL query to find the name of all reviewers and movies together in a single list.

```
select rev_name
from reviewer
union
select mov_title
from movie;
```

6. From the following table, write a SQL query to find all reviewers who have rated seven or more stars to their rating. Return reviewer name.

```
SELECT reviewer.rev_name
FROM reviewer, rating
WHERE rating.rev_id = reviewer.rev_id
AND rating.rev_stars >= 7 ;
```

7. From the following tables, write a SQL query to find the movies without any rating. Return movie title.

```
select mov_title
from movie
where mov_id not in (select mov_id from rating);
```

8. From the following table, write a SQL query to find the movies with ID 905 or 907 or 917. Return movie title.

```
select mov_title
from movie
where mov_id in(905,907,917)
```

9. From the following table, write a SQL query to find the movie titles that contain the word 'Boogie Nights'. Sort the result-set in ascending order by movie year. Return movie ID, movie title and movie release year.

```
select *
from movie
where mov_title like "%Boogie Nights%";
```

10. From the following table, write a SQL query to find those actors with the first name 'Woody' and the last name 'Allen'. Return actor ID.

```
select * from actor
where act_fname = "Woody" and act_lname = "Allen";
```

11. 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") );
```

12. From the following tables, write a SQL query to find the director of a film that cast a role in 'Eyes Wide Shut'. Return director first name, last name.

```
select * from director
where dir_id in (select dir_id
                 from movie_direction
                 where mov_id in (select mov_id
                                  from movie_cast
                                  where mov_id in(select mov_id
                                  from movie where mov_title = "Eyes Wide Shut")));
```

13. From the following table, write a SQL query to find those movies that have been released in countries other than the United Kingdom. Return movie title, movie year, movie time, and date of release, releasing country.

```
select * from movie
where mov_rel_country <> "UK";
```

14. From the following tables, write a SQL query to find for movies whose reviewer is unknown. Return movie title, year, release date, director first name, last name, actor first name, last name.

```
SELECT a.mov_title, a.mov_year, a.mov_dt_rel,
       c.dir_fname, c.dir_lname, f.act_fname, f.act_lname
FROM movie a
JOIN movie_direction b ON a.mov_id = b.mov_id
JOIN director c ON b.dir_id = c.dir_id
JOIN rating d ON a.mov_id = d.mov_id
JOIN reviewer e ON d.rev_id = e.rev_id
JOIN movie_cast g ON a.mov_id = g.mov_id
JOIN actor f ON g.act_id = f.act_id
WHERE e.rev_name IS NULL;
```

15. 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 * from movie
where mov_id in (select mov_id from movie_direction
          where dir_id in (select dir_id
                           from director
                           where dir_fname = "Woody" and dir_lname = "Allen"));
```

16. From the following tables, write a SQL query to determine those years in which there was at least one movie that received a rating of at least 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;
```

17. From the following table, write a SQL query to search for movies that do not have any 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));
```