**Movie Database System**

-- Create a database for movie information to store as follows:

-- Number of tables: 9.

1. movie

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constriant |
|  |  |  |
| Mov\_id | Int | Primary Key |
| Mov\_title | Varchar(50) | Not Null |
| Mov\_year | Int |  |
| Mov\_lang | Varchar(50 |  |
| Mov\_dt\_rel | Date |  |
| Mov\_rel\_country | Varchar(50) |  |

2. director

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constriant |
|  |  |  |
| Dir\_id | Int | Primary Key |
| Dir\_fname | Varchar(50) | Not Null |
| Dir\_lname | Varchar(50) |  |

3. movie\_direction

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Fk\_dir\_id | Int |  |
| Fk\_mov\_id | Int |  |

4. Actor

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Act\_id | Int | Primary key |
| Act\_fname | Varchar(50) | Not null |
| Act\_lname | Varchar(50) |  |
| Act\_gender | Varchar(1) | ‘M’ or ‘F’ |

5. movie\_cast

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Movie\_cast\_id | Int | Primary key |
| Fk\_act\_id | Int |  |
| Fk\_mov\_id | Int |  |
| Role | Varchar(30) | Not null |

6. reviewer

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Rev\_id | Int | Primary key |
| Rev\_name | Varchar(50) | Not null |

7. rating

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Fk\_mov\_id | Int |  |
| Fk\_rev\_id | Int |  |
| Rev\_stars | Int | 0 to 5, Not null |
| Num\_of\_rev | int | Positive numbers, Not null |

8. genres

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Gen\_id | Int | Primary Key |
| Gen\_title | Varchar(50) | Not Null |

9. movie\_genre

|  |  |  |
| --- | --- | --- |
| Column Name | Datatype | Constraint |
|  |  |  |
| Fk\_mov\_id | Int |  |
| Fk\_gen\_id | Int |  |

Question:

1. Write SQL query to display all the movie data.

2. Write SQL query to display all the actors.

3. Write SQL query to display all the directors.

4. Write SQL query to display all the genres.

5. Write SQL query to display all the movies in English.

6. Write SQL query to display all the movies in English or Hindi.

7. Write SQL query to display the movie name and year of the English movies.

8. Write SQL query to display the movie data those are released in UK, USA and Poland.

9. Write SQL queries to display names of all the movies released after 2000.

10. Write SQL query to display all the movies in Hindi and released after year 2000.

11. Write SQL query to display all the movies that starts with H.

12. Write SQL query to display all the movies that are not released in 1999 and 2000.

13. Write a SQL query to find the name and year of the movies. Return movie title, movie release year.

14. Write a SQL query to find when the movie ‘Uri’ released. Return movie title, its release country and release year.

15. Write a SQL query to arrange the movie data as oldest to newest movie.

16. Write a SQL query to find out movie names and their corresponding directors.

17. Write a SQL query to display director names of the movies those are released in USA and India.

18. Write a SQL query to display the movie title and director name of all the Marathi movie.

19. Write a SQL query to display the movie title, movie language, release country and director name of the movies those are released between year 2010 and 2020.

20. Write a SQL query to display the director names which are not the directors of English movies.

21. Write a SQL query to display the number of movies that are released on or before year 2000.

22. Write a SQL query to display the count of the movies those are released in India and UK.

23. Write a SQL query to display the count of the movies for each language.

24. Write a SQL query to display the count of the movies for each country.

25. Write a SQL query to display the actor names those are male.

26. Write a SQL query to display the actress names those are female.

27. Write a SQL query to display the count of the male and female actors.

28. Write a SQL query to display the maximum count of actors and their gender. (Whoever has maximum count between male and female.)

29. Write a SQL query to display the actor names where actor’s lname are starting with either ‘H’ or ‘A’.

30. Write a SQL query to display the movie title and its respective actors.

31. Write a SQL query to display the movie cast of all the English movies.

32. Write a SQL query to display the count of actors that are associated with the movies released after year 2000.