WORKSHEET 5 SQL

Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using MySQL for the required Operation.

1. **Write SQL query to show all the data in the Movie table.**

   SELECT * from movies;

2. **Write SQL query to show the title of the longest runtime movie.**

   SELECT title from movies

   ORDER BY runtime

   desc limit 1;

3. **Write SQL query to show the highest revenue generating movie title.**

   SELECT title from movies

   ORDER BY revenue desc limit 1;

4. **Write SQL query to show the movie title with maximum value of revenue/budget.**

   SELECT title from movies

   ORDER BY budget

   desc limit 1;

5. **Write a SQL query to show the movie title and its cast details like name of the person, gender, character name, cast order.**

   SELECT movies.title, movecast.person_name, movecast.gender ,movecast.character_name, movecast.cast_order from movecast INNER JOIN

movies ON movies.movie_id=moveCast.movie_id;

6. **Write a SQL query to show the country name where maximum number of movies has been produced, along with the number of movies produced.**

```
select count(country_name),country_name from production_country
GROUP BY country_name;
```

7. **Write a SQL query to show all the genre_id in one column and genre_name in second column.**

```
select * from genre;
```

8. **Write a SQL query to show name of all the languages in one column and number of movies in that particular column in another column.**

```
select language.language_name,count(movies.movie_id)
from language INNER JOIN movie_language
ON language.language_id = movie_language.language_id INNER JOIN movies
ON movies.movie_id = movie_language.movie_id
GROUP BY movies.movie_id;
```

9. **Write a SQL query to show movie name in first column, no. of crew members in second column and number of cast members in third column.**

```
select movies.title, movie_cast.crew_mamber, movie_cast.cast_member from movies
INNER JOIN movie_cast
ON movies.movie_id = movie_cast.movie_id ;
```

10. **Write a SQL query to list top 10 movies title according to popularity column in decreasing order.**

```
select title from movies ORDER BY popularity asc limit 10;
```

11. **Write a SQL query to show the name of the 3rd most revenue generating movie and its revenue**.

```
select title,revenue from movies
ORDER BY revenue desc limit 1 offset 2;
```

12. **Write a SQL query to show the names of all the movies which have “rumoured” mjjovie status**.

```
select title from movies where movie_status in ('rumoured');
```

13. **Write a SQL query to show the name of the “United States of America” produced movie which generated maximum revenue.**

```
select movies.title,movies.revenue from movies
INNER JOIN production_country
ON movies.movie_id = production_country.movie_id
where country_name=' United States of America '
ORDER BY movies.revenue
DESC limit 1;
```

14. **Write a SQL query to print the movie_id in one column and name of the production company in the second column for all the movies.**

```
select movie_company.movie_id,production_company.company_name
from production_company
```

```
INNER JOIN movie_company
ON movie_company.comapny_id = production_company.company_id;
```

15. **Write a SQL query to show the title of top 20 movies arranged in decreasing order of their budget.**

```
select title from movies
ORDER BY budget
desc limit 20;
```