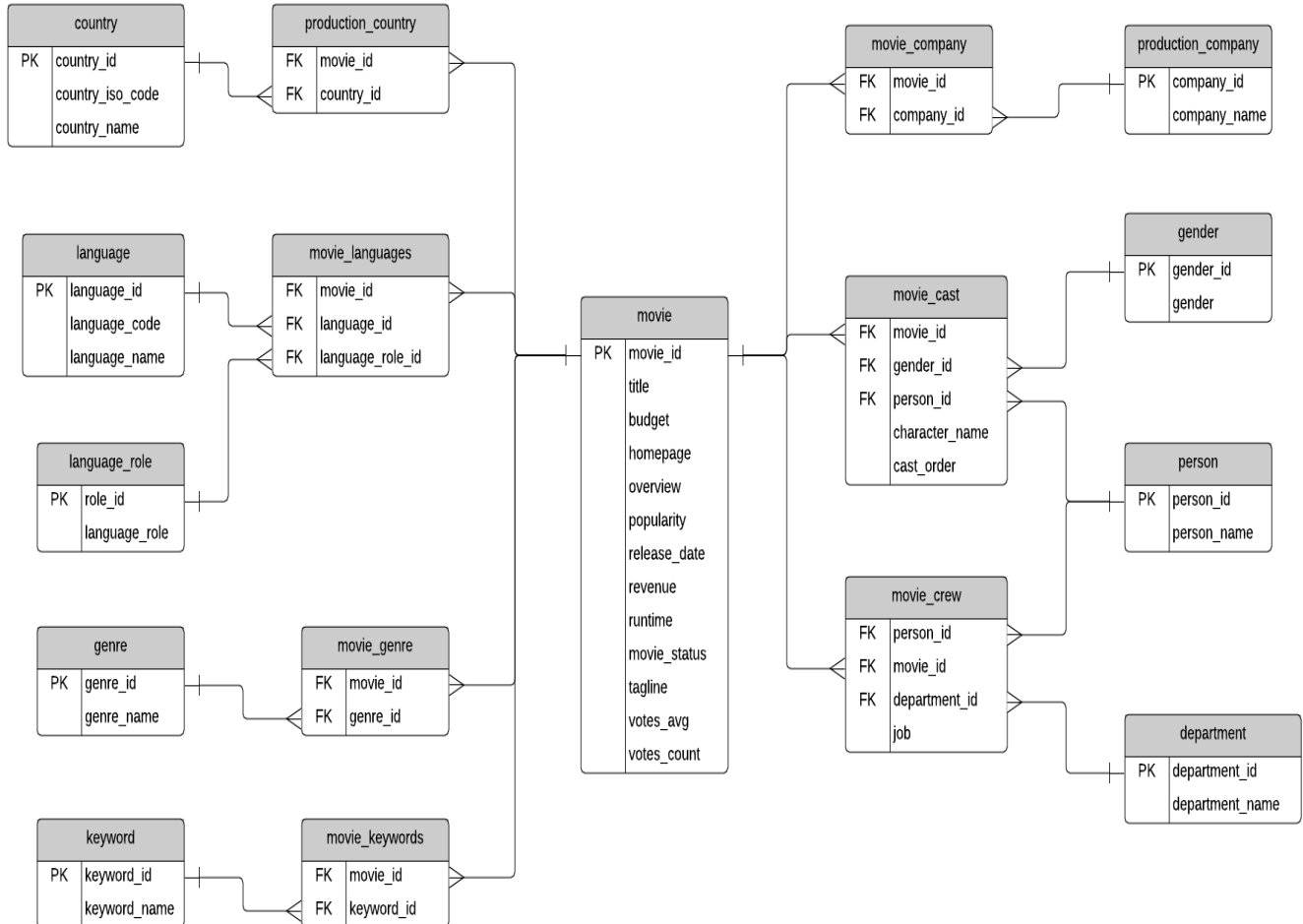# WORKSHEET 5 SQL

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

QUESTIONS:

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

   Ans**. select * from movie;**
2. Write SQL query to show the title of the longest runtime movie.
   Ans. . **select title from movie order by runtime desc limit 1;**
3. Write SQL query to show the highest revenue generating movie title.
   Ans. . **select title from movie order by revenue desc limit 1;**
4. Write SQL query to show the movie title with maximum value of revenue/budget.
   Ans. **. select title,budget from movie 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.

   Ans**. select movie.title,movie_cast.person_id, gender.gender, movie_cast.character_name, movie_cast.cast_order from movie join movie_cast on movie.movie_id=movie_cast.movie_id join gender on movie_cast.gender_id=gender.gender_id where gender.gender_id=2 limit 3\G**
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.

   Ans. **. select country_name,count(country_name) as no_of_movies_produced from movie as a join production_country as c on a.movie_id=c.movie_id join country on c.country_id=country.country_id group by country_name order by count(country_name) desc;**
7. Write a SQL query to show all the genre_id in one column and genre_name in second column.
   Ans. . **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.

   Ans. **select language_name,movie_id,count(language_name) from movie_languages as m join language as l on m.language_id=l.language_id group by language_name order by count(language_name) desc;**
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.

   Ans**. select title,count(cr.person_id),count(ca.person_id) from movie as m join movie_crew as cr on m.movie_id=cr.movie_id full outer join movie_cast as ca on m.movie_id=ca.movie_id group by title;**
10. Write a SQL query to list top 10 movies title according to popularity column in decreasing order.
    Ans. . **select title,revenue from movie order by popularity desc limit 1;**
11. Write a SQL query to show the name of the 3rd most revenue generating movie and its revenue.
    Ans. **select title from movie order by revenue desc limit 2,1;**
12. Write a SQL query to show the names of all the movies which have "rumoured" movie status.
    Ans. **select title from movie where movie_status='Rumored';**
13. Write a SQL query to show the name of the "United States of America" produced movie which generated maximum revenue.

    Ans. **select title,revenue from movie as m join production_country as pc on m.movie_id=pc.movie_id join country as c on pc.country_id=c.country_id where country_name='United States of America' order by 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.

    Ans**. select movie_id,company_name from movie_company as mc join production_company as pc on mc.company_id=pc.company_id;**
15. Write a SQL query to show the title of top 20 movies arranged in decreasing order of their budget.
    Ans. **select title from movie order by budget limit 20;**