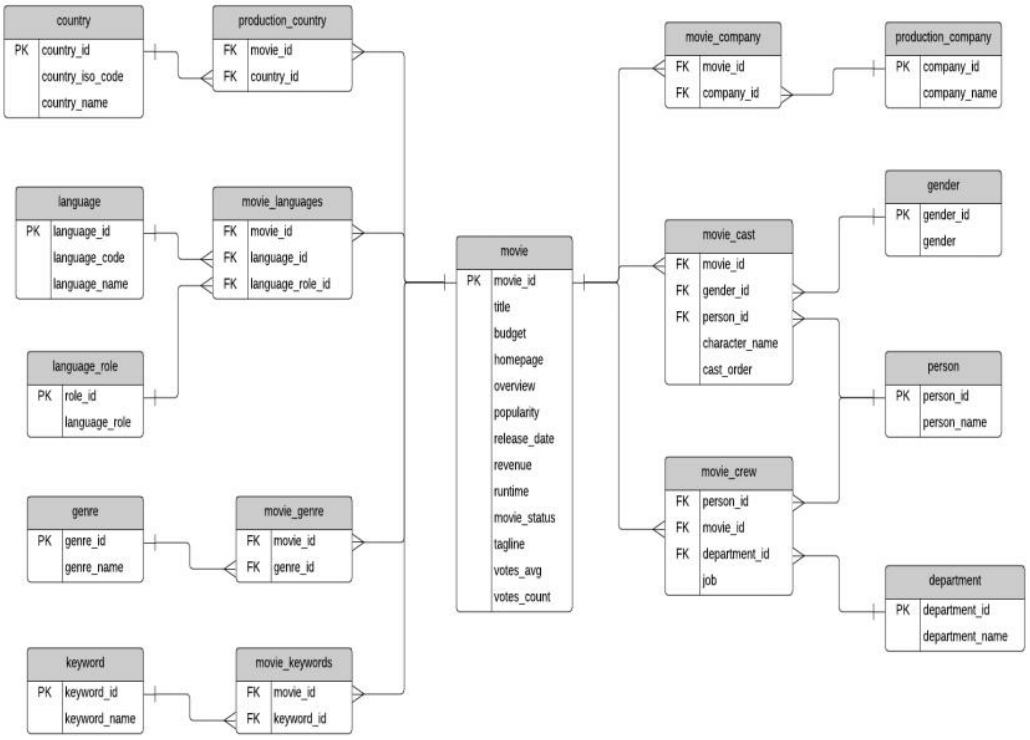
WORKSHEET 5 SQL

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



Q1. Write SQL query to show all the data in the Movie table.

ANS: SELECT * FROM MOVIE

Q2. Write SQL query to show the title of the longest runtime movie.

ANS: SELECT TITLE FROM MOVIE ORDER BY RUNTIME DESC LIMIT 1;

Q3. Write SQL query to show the highest revenue generating movie title.

ANS: SELECT TITLE FROM MOVIE ORDER BY REVENUE DESC LIMIT 1;

Q4. Write SQL query to show the movie title with maximum value of revenue/budget.

ANS: SELECT TITILE FROM MOVIE ORDER BY REVENUE/BUDGET DESC LIMIT 1;

Q5. 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 TITLE ,CHARACTER_NAME,GENDER,CAST_ORDER,PERSON_NAME FROM MOVIE INNER JOIN MOVIE_CAST ON MOVIE.MOVIE_ID =MOVIE_CAST.MOVIE_ID INNER JOIN GENDER ON MOVIE MOVIE_CAST.GENDER_ID=GENDER.GENDER_ID INNER JOIN GENDER ON MOVIE_CAST.PERSON_ID=PERSON.PERSON_ID;

Q6. 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(TITLE) FROM MOVIE INNER JOIN PRODUCTION_COUNTRY ON
MOVIE.MOVIE_ID = PRODUCTION_COUNTRY.MOVIE_ID INNER JOIN COUNTRY ON
PRODUCTION_COUNTRY.COUNTRY_ID=COUNTRY.COUNTRY_ID GROUP BY COUNTRY_NAME ORDER BY
COUNT(TITLE) DESC LIMIT 1

Q7. Write a SQL query to show all the genre_id in one column and genre_name in second column.

ANS: SELECT * FROM GENRE

Q8. 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, COUNT(TITLE) FROM MOVIE INNER JOIN MOVIE_LANGUAGES ON
MOVIE.MOVIE_ID = MOVIE_LANGUAGES.MOVIE_ID INNER JOIN LANGUAGE ON

MOVIE_LANGUAGES.LANGUAGE_ID=LANGUAGE. LANGUAGE_ID GROUP BY LANGUAGE_NAME

Q9. 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 (MOVIE_CAST.PERSON_ID), COUNT(MOVIE_CREW.PERSON_ID) FROM MOVIE
INNER JOIN MOVIE_CAST ON MOVIE.MOVIE_ID=MOVIE_CAST.MOVIE_ID
INNER JOIN MOVIE_CREW ON
MOVIE.MOVIE_ID=MOVIE_CREW.MOVIE_ID

Q10. Write a SQL query to list top 10 movies title according to popularity column in decreasing order.

ANS: SELECT TITLE, POPULARITY FROM MOVIE ORDER BY POPULARITY DESC LIMIT 10;

Q11. Write a SQL query to show the name of the 3rd most revenue generating movie and its revenue.

ANS: SELECT TITLE, REVENUE FROM MOVIE ORDER BY REVENUE DESC LIMIT 1 OFFSET 2;

Q12. 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 = 'rumoured';

Q13. Write a SQL query to show the name of the "United States of America" produced movie which generated maximum
revenue.

ANS: SELECT TITLE FROM MOVIE INNER JOIN PRODUCTION_COUNTRY ON MOVIE.MOVIE_ID=
PRODUCTION_COUNTRY.MOVIE_ID INNER JOIN COUNTRY ON
PRODUCTION_COUNTRY.COUNTRY_ID =

COUNTRY.COUNTRY_ID WHERE COUNTRY_NAME='United States of America'
ORDER BY REVENUE DESC LIMIT
1;

Q14. 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_COMPANY.MOVIE_ID, COMPANY_NAME FROM MOVIE
INNER JOIN MOVIE_COMPANY
ON MOVIE.MOVIE_ID = MOVIE_COMPANY.MOVIE_ID INNER JOIN
PRODUCTION_COMPANY ON
MOVIE_COMPANY.COMPANY_ID = PRODUCTION_ COMPANY.COMPANY_ID

Q15. 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 DESC LIMIT 20;