## **SQL WORKSHEET – 5**

QUESTIONS:
Q1. Write SQL query to show all the data in the Movie table.
Answer:
SELECT * FROM Movie;
Q2. Write SQL query to show the title of the longest runtime movie
Answer:
SELECT title
FROM Movie
ORDER BY runtime DESC
LIMIT 1;
Q3. Write SQL query to show the highest revenue generating movie title
Answer:
SELECT title
FROM Movie
ORDER BY revenue DESC
LIMIT 1;
Q3. Write SQL query to show the movie title with maximum value of revenue/budget.
Answer:
SELECT title
FROM Movie
WHERE revenue/budget = (SELECT MAX(revenue/budget) FROM Movie);

Q4.Write a SQL query to show the movie title and its cast details like name of the person, gender, charactername, cast order.

Answer:

SELECT Movie.title, Person.name, Gender.gender, Movie\_cast.character, Movie\_cast.cast\_order

**FROM Movie** 

INNER JOIN Movie\_cast ON Movie\_cast.movie\_id = Movie.id

INNER JOIN Person ON Person.id = Movie cast.person id

LEFT JOIN Gender ON Gender.id = Movie\_cast.gender\_id;

Q5. Write a SQL query to show the country name where maximum number of movies has been produced, along with the number of movies produced.

Answer:

SELECT c.name AS country\_name, COUNT(\*) AS num\_movies

FROM movie\_country mc

JOIN country c ON c.id = mc.country\_id

**GROUP BY country\_name** 

ORDER BY num\_movies DESC

LIMIT 1;

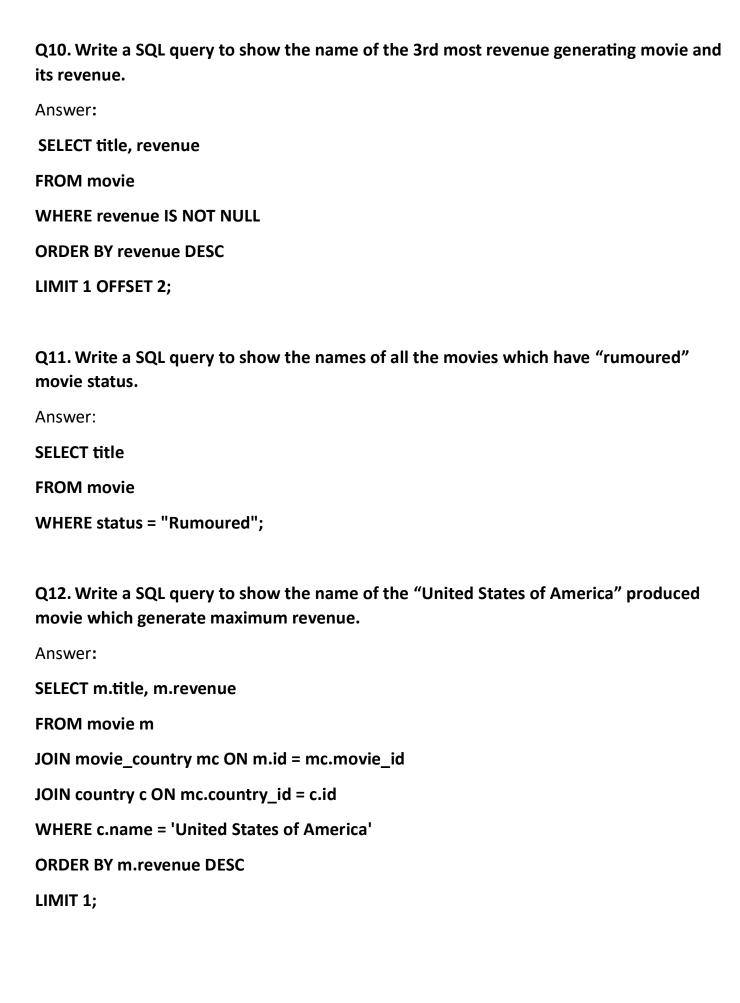
Q6. Write a SQL query to show all the genre\_id in one column and genre\_name in second column.

Answer:

SELECT id AS genre\_id, name AS genre\_name

FROM genre;

Q7. 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. Answer: SELECT I.name AS language name, COUNT(ml.movie id) AS num movies **FROM language I** LEFT JOIN movie languages ml ON l.id = ml.language id **GROUP BY I.name** ORDERBYnum\_moviesDESC; Q8. 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. Answer: SELECT m.title AS movie name, COUNT(DISTINCT mc.person id) AS crew count, COUNT(DISTINCT mcc.person\_id) AS cast\_count FROM movie AS m LEFT JOIN movie\_crew AS mc ON m.id = mc.movie\_id LEFT JOIN movie\_cast AS mcc ON m.id = mcc.movie\_id **GROUP BY m.title ORDER BY m.title;** Q9. Write a SQL query to list top 10 movies title according to popularity column in decreasing order. Answer: **SELECT title, popularity** FROM movie **ORDER BY popularity DESC LIMIT 10;** 



Q13. . 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.

Answer:

SELECT movie.id AS movie id, production company.name AS company name

FROM movie

INNER JOIN movie\_company ON movie.id = movie\_company.movie\_id

INNER JOIN production\_company ON movie\_company.company\_id = production\_company.id;

Q14. Write a SQL query to show the title of top 20 movies arranged in decreasing order of their budget.

Answer:

**SELECT title, budget** 

**FROM** movie

**ORDER BY budget DESC** 

**LIMIT 20;**