

SQL Worksheet

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

Answer : `SELECT * FROM movie;`

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

Answer : `SELECT title FROM movie WHERE runtime= (SELECT MAX (runtime) FROM movie;`

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

Answer : `SELECT title FROM movie WHERE revenue= (SELECT MAX (revenue) FROM movie;`

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

Answer : `SELECT title FROM movie WHERE revenue= (SELECT MAX (revenue) FROM movie OR budget= (SELECT MAX (budget) FROM movie;`

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

Answer : `SELECT movie.title, person.person_name, gender.gender, movie_cast.cast_order FROM movie_cast INNER JOIN movie ON movie_cast.movie_id= movie. movie_id INNER JOIN person ON movie_cast. person_id= person. person_id INNER JOIN gender ON movie_cast.gender_id= gender. gender_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.

Answer : `SELECT country_name, count(country_name) AS no_mov_prd FROM country INNER JOIN production_country ON country. country_id= production. country_id GROUP BY country_name ORDER BY count(country.country_name) desc limit 1;`

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

Answer : 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.

Answer : SELECT language_name, count (language_name) AS no_of_movie FROM language INNER JOIN movie_language ON movie_language.language_id= language.language_id INNER JOIN movie ON movie_language.movie_id=movie.movie_id GROUP BY language_name;

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.

Answer : : SELECT movie.title, count (movie_crew.job), count(movie_cast.character_name) FROM movie_crew INNER JOIN movie ON movie_crew.movie_id= movie.movie_id INNER JOIN movie_cast ON movie_crew.movie_id=movie_cast.movie_id GROUP BY movie.title;

10. 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;

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

Answer : SELECT title, revenue 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.

Answer : SELECT title FROM movie WHERE movie_status= "rumoured";

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

Answer : SELECT movie.title, production_company.company_name, max(movie.revenue) FROM movie_company INNER JOIN movie ON movie_company.movie_id= movie.movie_id INNER JOIN production_company ON movie_company.company_id=production_company.company_id WHERE production_company.company_name= “United States of America” ORDER BY revenue DESC;

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.

Answer : SELECT movie.movie_id, production_company.company_name FROM movie_company.movie_id=movie.movie_id INNER JOIN production_company ON movie_company.company_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.

Answer : SELECT title from movie ORDER BY budget DESC LIMIT 10;