Worksheet-5 SQL

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 WHERE runtime = (SELECTMAX(runtime) FROM movie);

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

ANSWER SELECT revenue, title WHERE revenue=(SELECTMAX(revenue) FROM movie);

Q4) Write SQL query to show the movie title with maximum value of revenue/budget.
ANSWER SELECT title, budget FROM movie WHERE budget=(SELECTMAX(budget) FROM movie);

Q5) 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_caste

INNER JOIN movie

ON movie_caste.movie_id=movie.movie_id

INNER JOIN person

ON movie_caste.person_id=person.person_id

INNER JOIN gender

ON movie_caste.gender_id=person.gender_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.

ANSWER SELECT country_name,count(country_name) 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;

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

ANSWER 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.

ANSWER SELECT language_name,count(language_name) FROM language

INNER JOIN movie_language

ON movie_language.language_id=language.language_id

INNER JOIN movie

ON movie_language.movie_id=movie_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.

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;

Q10) 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;

Q11) 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

ORDER BY 2,1;

Q12) Write a SQL query to show the names of all the movies which have “rumoured” movie status.

ANSWER SELECT tiltle FROM movie WHERE movie_status= “rumoured”;

Q13) 13. Write a SQL query to show the name of the “United States of America” produced movie which generated maxium 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;

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.

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;

Q15) 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;