WORKSHEET 5 SQL

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

Answer: Select * from movie

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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)

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

Answer: Select title from movie WHERE revenue=(SELECT MAX(revenue) FROM movie)

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

Answer: Select title from movie WHERE budget=(SELECT MAX(budget) FROM movie)

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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 m1.title, p1.name, g1.gender, c1.character_name, c1 cast_order

From movie m1

JOIN movie_cast on m1.movie_id=c1.movie.id

JOIN person p1 ON c1.person_id=p1.person_id

JOIN gender g1 on p1.gender_id=g1.gender_id

ORDER BY m1.title, c1.cast_order

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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, COUNT(title) as num_movies FROM movies GROUP BY country ORDER BY num_movies DESC LIMIT 1;

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

Answer: SELECT genre_id, genre_name

FROM genre;

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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 l.language_name, COUNT(DISTINCT ml.movie_id) AS num_movies

FROM language l

JOIN movie_languages ml ON l.language_id = ml.language_id

GROUP BY l. language_id;

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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 m.title,

COUNT(DISTINCT mc.person_id) AS num_crew_members,

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COUNT(DISTINCT mcc.person_id) AS num_cast_members
FROM movie m
LEFT JOIN movie_crew mc ON m.movie_id = mc.movie_id
LEFT JOIN movie_cast mcc ON m.movie_id = mcc.movie_id
GROUP BY m.movie_id;
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10. Write a SQL query to list top 10 movies title according to popularity column in decreasing order.

Answer:
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SELECT title, popularity
FROM movie
ORDER BY popularity DESC
LIMIT 10;
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11. Write a SQL query to show the name of the 3rd most revenue generating movie and its revenue.

Answer:
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SELECT title, revenue
FROM movie
ORDER BY revenue DESC
LIMIT 1 OFFSET 2;
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12. Write a SQL query to show the names of all the movies which have "rumoured" movie status.

Answer:
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SELECT title
FROM movie
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WHERE movie_status = 'rumoured;
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13. Write a SQL query to show the name of the “United States of America” produced movie which generated maximum revenue.

Answer:

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SELECT m.title
FROM movie m
JOIN production_country pc ON m.movie_id = pc.movie_id
JOIN country c ON pc.country_id = c.country_id
WHERE c.country_name = 'United States of America'
ORDER BY m.revenue DESC
LIMIT 1;
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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:

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SELECT m.movie_id, pc.company_name
FROM movie m
JOIN movie_company mc ON m.movie_id = mc.movie_id
JOIN production_company pc ON mc.company_id = pc.company_id;
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15. Write a SQL query to show the title of top 20 movies arranged in decreasing order of their budget.

Answer:

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SELECT title
FROM movie
ORDER BY budget DESC
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LIMIT 20;
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