FLIP ROBO

WORKSHEET

WORKSHEET 5 SQL

1. Write SQL query to show all the data in the Movie table.
Ans - SELECT * FROM Movie;

2. Write SQL query to show the title of the longest runtime movie.
Ans - SELECT title FROM Movies ORDER BY runtime DESC LIMIT 1;

3.Write SQL query to show the highest revenue generating movie title.
Ans - SELECT title FROM Movies ORDER BY revenue DESC LIMIT 1;

4. Write SQL query to show the movie title with maximum value of revenue/budget.
Ans - SELECT title FROM Movies ORDER BY revenue/budget DESC LIMIT 1;

5. 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 Movies.title, Cast.person_name, Cast.gender, Cast.character_name, Cast.cast_order
FROM Movies
INNER JOIN Cast ON Movies.id = Cast.movie_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.
Ans – SELECT country, COUNT(*) AS num_movies
FROM Movies
GROUP BY country
ORDER BY num_movies DESC
LIMIT 1;

7. Write a SQL query to show all the genre_id in one column and genre_name in second column.
Ans – SELECT Genres.id AS genre_id, Genres.name AS genre_name
FROM Genres
JOIN Movies_Genres ON Genres.id = Movies_Genres.genre_id

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.
Ans - SELECT language, COUNT(*) AS num_movies
FROM movies
GROUP BY language;

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.
Ans - SELECT title AS movie_name, COUNT(DISTINCT crew.id) AS crew_count, COUNT(DISTINCT cast.id) AS cast_count
FROM Movie

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LEFT JOIN M_Crew ON Movie.id = M_Crew.movie_id
LEFT JOIN crew ON M_Crew.crew_id = crew.id
LEFT JOIN M_Cast ON Movie.id = M_Cast.movie_id
LEFT JOIN cast ON M_Cast.cast_id = cast.id
GROUP BY Movie.id
ORDER BY movie_name ASC;
```

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

Ans -
```
SELECT title
FROM Movies
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.

Ans -
```
SELECT title, revenue
FROM movies
ORDER BY revenue DESC
LIMIT 1 OFFSET 2;
```

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

Ans -
```
SELECT title
FROM Movie
WHERE status = 'rumoured';
```

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

Ans –
```
SELECT title
FROM Movies
WHERE country = 'United States of America'
ORDER BY revenue DESC
LIMIT 1;
```

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.

Ans –
```
SELECT movie_id, production_companies.name AS production_company
FROM movies
JOIN movie_production_companies ON movies.id = movie_production_companies.movie_id
JOIN production_companies ON movie_production_companies.production_company_id =
production_companies.id;
```

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

Ans -
```
SELECT title, budget
FROM movie
ORDER BY budget DESC
LIMIT 20;
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