

WORKSHEET 5 SQL

QUESTIONS: ANSWER:

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 runtime FROM movie WHERE ((movie. movie_ ID)=[Movie Genre].[Movie])
GROUP BY tb Movie. runtime;`

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

Ans:- `SELECT revenue FROM movie WHERE revenue ("highest revenue")`

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

Ans:- `SELECT title FROM movie WHERE revenue ("highest revenue")`

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

Ans:- `SELECT title FROM movie WHERE cast details (person, gender, character name, cast order.);`

6. Write a SQL query to show the country name where maximum number of movies has been produced, alongwith the number of movies produced.

Ans:- `SELECT title, rating FROM movies INNER JOIN box-office ON movies.id = boxoffice.
movie_id ORDER BY rating DESC;`

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

Ans:- `SELECT movies.*, genres.name FROM movies INNER JOIN genres_in_movies ON
genres_in_movies.movie_id = movies.id INNER JOIN genres ON genres_in_movies.genre_id =
genres.id GROUP BY movies.title;`

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 dir_fname,dir_lname, gen_title,count(gen_title)
FROM director
NATURAL JOIN movie_direction
NATURAL JOIN movie_genres
NATURAL JOIN genres
GROUP BY dir_fname, dir_lname,gen_title
ORDER BY dir_fname,dir_lname;`

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 mov_title, mov_year, gen_title, dir_fname, dir_lname

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FROM movie
NATURAL JOIN movie_genres
NATURAL JOIN genres
NATURAL JOIN movie_direction
NATURAL JOIN director;
```

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

Ans:- SELECT movie.mov_title, mov_year, mov_dt_rel,
mov_time,dir_fname, dir_lname

```
FROM movie
JOIN movie_direction
ON movie.mov_id = movie_direction.mov_id
JOIN director
ON movie_direction.dir_id=director.dir_id
WHERE mov_dt_rel < '01/01/1989'
ORDER BY mov_dt_rel desc;
```

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

Ans:- SELECT title as MovieName, revenue from (select * from movie order by revenue desc limit 3);

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

Ans:- SELECT title as MovieName FROM movie
WHERE movie_id = (SELECT movie_id 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.

Ans:- SELECT title as MovieName ,MAX(revenue) FROM movie
WHERE movie_id = (SELECT movie_id FROM movie LEFT JOIN production_country ON
movie.movie_id= production_country.movie_id
LEFT JOIN country ON
country.country_id= production_country.country_id
WHERE country_name = 'United States of America');

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_company.movie_id,production_company.company_name FROM
movie_company RIGHTJOIN 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.**

Ans:- select title from (select * from movie order by budget desc limit 20);
