WORKSHEET 5 SQL

QUESTIONS:

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 movie where runtime=(SELECT MAX(runtime) FROM Movie) ;

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

Ans: 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.

Ans: SELECT title FROM movie where revenue=(SELECT MAX(revenue) 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

Ans: (using where caluse)

```
SELECT title, movie_cast.person_id,movie_cast.gender_id,movie_cast.
        character_name,movie_cast.cast_order FROM movie,movie_cast
WHERE movie.movie_id=movie_cast.movie_id;
```

(Using JOIN..ON)

```
SELECT title, movie_cast.person_id,movie_cast.gender_id,movie_cast.
        character_name,movie_cast.cast_order FROM movie JOIN movie_cast
ON movie.movie_id=movie_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_name ,COUNT(*) AS ‘count’ FROM country

JOIN production_country ON country.country_id= production_country.country_id

JOIN movie ON production_country.movie_id=movie.movie_id;

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

Ans: SELECT genre.genre_id AS ‘Genre_ID’ ,genre.genre_name as ‘Gender_Name’ 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.

Ans: SELECT language_name from language AS ‘Lang_NAME’,COUNT(*) as ‘count’ FROM language JOIN langaue.langage_id = movie_langauge.langage

JOIN movie_language.movie_id=movie.movie_id;

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 m.movie_title AS ‘MOVIE_NAME’, COUNT(*) AS ‘No.of.crew_member’,

COUNT(*) AS ‘No.of.cast_member’ FROM

movie AS m,

movie_crew AS crew,

movie_cast AS cast WHERE m.movie_id=cast.movie_id

AND m.movie_id=crew.movie_id

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

Ans:

SELECT title,COUNT(title) AS ‘number’ FROM movie m where m.votes_avg=(SELECT max(votes_avg) from movie) GROUP BY m.movie HAVING number = 10 ORDERED BY DESC;

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

Ans: SELECT title,revenue FROM movie ORDERED BY revernue DESC LIMIT OFF SET 2;

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

Ans: SELECT movie_id,title

FROM movie m

where m.movie_status LIKE ‘rumoured%’

ORDERED BY m.movie_status;

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 movie m INNER JOIN production_country pc ON m.movie_id = pc.movie_id INNER JOIN country c ON c.country_id=pc.country_id WHERE c.country_name LIKE ‘United States of America’ AND m.revenue=(SELECT max(m.revenue) from m);

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 AS ‘MOVIE_ID’ ,company_name as “COMP_NAME” from movie m INNER JOIN movie_company mc ON m.movie_id = mc.movie_id INNER JOIN production_company pc ON mc.movie_id = pc.movie_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 movie m
GROUP BY m.budget

ORDERED BY DESC
LIMIT 0,20;