**SQL – 5**

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

Answer: SELECT \* FROM movie;

2. Write SQL query to show the title of the longest runtime movie.

Answer: SELECT `title` FROM movie

ORDER BY `runtime` DESC

LIMIT 1;

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

Answer: SELECT `title` FROM movie

ORDER BY `revenue` DESC

LIMIT 1;

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

Answer: SELECT `title`, `revenue`/`budget` as revenue\_budget\_ratio FROM movie

ORDER BY revenue\_budget\_ratio 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.

Answer: SELECT `title`, `person\_name`, `gender`, `character\_name`, `cast\_order`

FROM movie AS m INNER JOIN movie\_cast AS c

ON m.`movie\_id` = c.`movie\_id`

INNER JOIN gender AS g

ON c.`gender\_id` = g.`gender\_id`

INNER JOIN person AS p

ON c.`person\_id` = p.`person\_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.

Answer: SELECT `country\_name`, COUNT(`movie\_id`) AS no\_of\_movies

FROM production\_country AS a INNER JOIN country AS b

ON a.`country\_id` = b.`country\_id`

GROUP BY `country\_name`

ORDER BY no\_of\_movies DESC

LIMIT 1;

7. Write a SQL query to show all the genre\_id in one column and genre\_name in second column.

Answer: SELECT \* 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.

Answer: SELECT `language\_name`, COUNT(`movie\_id`) AS no\_of\_movies

FROM movie\_languages AS a INNER JOIN language AS b

ON a.`language\_id` = b.`language\_id`

GROUP BY b.`language\_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.

Answer: SELECT `title`, COUNT(`person\_id`) AS no\_of\_cast

FROM movie AS a INNER JOIN movie\_cast AS b

ON a.`movie\_id` = b.`movie\_id`

GROUP BY b.`movie\_id`;

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

Answer: SELECT `title` FROM movie

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.

Answer: SELECT `title` FROM movie

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.

Answer: SELECT `title` 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.

Answer: SELECT `title`, `revenue`

FROM movie AS a INNER JOIN production\_country AS b

ON a.`movie\_id` = b.`movie\_id`

INNER JOIN country AS c

ON c.`country\_id` = b.`country\_id`

WHERE `country\_name` = “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.

Answer: SELECT `movie\_id`, `company\_name`

FROM movie\_company AS a INNER JOIN production\_company AS b

ON a.`company\_id` = b.`company\_id`;

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

Answer: SELECT `title’, ‘budget` FROM movie

ORDER BY `budget` DESC

LIMIT 20;