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 / budget) = (SELECT MAX(revenue / budget) 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 = SELECT m.title, p.name, p.gender, c.character_name, c.cast_order

```
FROM Movie m
INNER JOIN Cast c ON m.movie_id = c.movie_id
INNER JOIN Person 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.

```
Ans = SELECT c.name AS country_name, COUNT(*) AS movie_count
FROM Movie m
INNER JOIN Country c ON m.country_id = c.country_id
GROUP BY c.name
ORDER BY movie_count 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 genre_id, genre_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 l.name AS language_name, COUNT(*) AS movie_count
```

```
FROM Movie m
INNER JOIN Language l ON m.language_id = l.language_id
GROUP BY l.name;
```

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.title AS movie_name,
    COUNT(DISTINCT cr.person_id) AS crew_count,
    COUNT(DISTINCT ca.person_id) AS cast_count
FROM Movie m
LEFT JOIN Crew cr ON m.movie_id = cr.movie_id
LEFT JOIN Cast ca ON m.movie_id = ca.movie_id
GROUP BY m.title;
```

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

```
Ans = 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.

```
Ans = SELECT title, revenue
```

```
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.

```
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 m.title

FROM Movie m

JOIN ProductionCompany pc ON m.production_company_id = pc.production_company_id

WHERE pc.origin_country = 'United States of America'

ORDER BY m.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 m.movie_id, pc.name
```

```
FROM Movie m
JOIN ProductionCompany pc ON m.production_company_id =
pc.production_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 Movie
ORDER BY budget DESC
LIMIT 20;
```