

**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 ORDER BY runtime DESC LIMIT 1;`

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

**Ans –** `SELECT title FROM movie ORDER BY revenue DESC LIMIT1;`

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

**Ans –** `SELECT title FROM movie ORDER BY (revenue/budget) DESC LIMIT1;`

**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 m.title,p.name,d.gender,mc.character_name,mc.cast_order  
FROM movie_cast mc  
JOIN person p ON mc.person_id=p.id  
JOIN gender g ON mc.person_id=g.id  
JOIN movie m ON mc.movie_id = m.id;`

**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 c.name,COUNT(mc.movie_id)as total_movies  
FROM movie_countrymc  
JOIN country c ON mc.country_id=c.id  
GROUP BY c.id  
ORDER BY total_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 id as genere_id,name as genere_name FROM genre;`

**8) Write a SQL query to show name of all the languages in one column and number of movies in thatparticular column in another column.**

**Ans –** `SELECT l.name,COUNT(ml.movie_id)as total_movies  
FROM movie_languages ml  
JOIN language l ON ml.language_id=l.id  
GROUP BY l.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.title, COUNT(DISTINCT mc.person_id) as crew_count, COUNT(DISTINCT mcc.person_id) as cast_count  
FROM movie m  
LEFT JOIN movie_crew mc ON m.id = mc.movie_id  
LEFT JOIN movie_cast mcc ON m.id = mcc.movie_id  
GROUP BY m.id;`

- 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 movie_country mc ON m.id = mc.movie_id  
JOIN country c ON mc.country_id = c.id  
WHERE c.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.

Ans – `SELECT m.id as movie_id, pc.name as production_company_name  
FROM movie_company mc  
JOIN movie m ON mc.movie_id = m.id  
JOIN production_company pc ON mc.company_id = pc.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;`