**SQL ANSWER SHEET**

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

Ans: SELECT \* FROM Movie;Ans: SELECT \* FROM Movie;

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

Ans:

SELECT title FROM Movie ORDER BY runtime DESC LIMIT 1;

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

Ans: SELECT title FROM Movie ORDER BY revenue DESC LIMIT 1;

**Q-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);

**Q-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, g.gender, mc.character\_name,

mc.cast\_order

FROM Movie m

INNER JOIN movie\_cast mc ON m.id = mc.movie\_id

INNER JOIN person p ON p.id = mc.person\_id

LEFT JOIN gender g ON g.id = mc.gender\_id;

**Q-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, COUNT(\*) as num\_movies

FROM Country c

INNER JOIN movie\_country mc ON mc.country\_id = c.id

GROUP BY c.name

ORDER BY num\_movies DESC

LIMIT 1;

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

Ans: SELECT id as genre\_id, name as genre\_name FROM Genre;

**Q-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, COUNT(\*) as num\_movies

FROM Language l

INNER JOIN movie\_language ml ON ml.language\_id = l.id

GROUP BY l.name;

**Q-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 num\_crew,

COUNT(DISTINCT mcc.person\_id) as num\_cast

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.title;

**Q-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;

**Q-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;

**Q-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 = "Rumored";

**Q-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

INNER JOIN movie\_country mc ON Movie.id = mc.movie\_id

INNER JOIN Country c ON mc.country\_id = c.id

WHERE c.name = "United States of America"

ORDER BY revenue DESC LIMIT 1;

**Q-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

FROM Movie m

INNER JOIN movie\_production\_company mpc ON m.id =

mpc.movie\_id

INNER JOIN production\_company pc ON

mpc.production\_company\_id = pc.id;

**Q-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;