

## WORKSHEET 5 :- SQL

**Refer the following ERD and answer all the questions in this worksheet. You have to write the queries using MySQL for the required Operation.**

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

**ANS. SELECT \* FROM movie**

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

ANS. SELECT runtime FROM movie WHERE ((movie.movie\_ID)=[MovieGenre].[Movie])  
GROUP BY tblMovie.runtime;

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

ANS. SELECT revenue FROM movie WHERE revenue ("highest revenue")

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

ANS. SELECT title FROM movie WHERE revenue ("highest revenue")

**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 title FROM movie WHERE cast\_details(person, gender, character name,  
cast order.);

**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 title, rating FROM movies INNER JOIN boxoffice ON movies.id =  
boxoffice.movie\_id ORDER BY rating DESC;

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

ANS. SELECT movies.\*, genres.name FROM movies INNER JOIN genres\_in\_movies ON  
genres\_in\_movies.movie\_id = movies.id INNER JOIN genres ON  
genres\_in\_movies.genre\_id = genres.id GROUP BY movies.title;

**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 dir\_fname,dir\_lname, gen\_title,count(gen\_title)

FROM director

NATURAL JOIN movie\_direction

NATURAL JOIN movie\_genres

NATURAL JOIN genres

GROUP BY dir\_fname, dir\_lname,gen\_title

ORDER BY dir\_fname,dir\_lname;

**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 mov\_title, mov\_year, gen\_title, dir\_fname, dir\_lname

FROM movie

NATURAL JOIN movie\_genres

NATURAL JOIN genres

NATURAL JOIN movie\_direction

NATURAL JOIN director;

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

ANS. SELECT movie.mov\_title, mov\_year, mov\_dt\_rel,

mov\_time,dir\_fname, dir\_lname

FROM movie

JOIN movie\_direction

ON movie.mov\_id = movie\_direction.mov\_id

JOIN director

ON movie\_direction.dir\_id=director.dir\_id

WHERE mov\_dt\_rel <'01/01/1989'

ORDER BY mov\_dt\_rel desc;

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

ANS. SELECT title as MovieName, revenue from (select \* from movie order by revenue desc limit 3);

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

ANS. SELECT title as MovieName FROM movie

WHERE movie\_id = (SELECT movie\_id FROM movie WHERE movie\_status = 'rumoured');

**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 as MovieName ,MAX(revenue) FROM movie

WHERE movie\_id = (SELECT movie\_id FROM movie LEFT JOIN production\_country ON

movie.movie\_id= production\_country.movie\_id

LEFT JOIN country ON

country.country\_id= production\_country.country\_id

WHERE country\_name = 'United States of America');

**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 movie\_company.movie\_id,production\_company.company\_name FROM  
movie\_company RIGHTJOIN production\_company ON  
movie\_company.company\_id= production\_company.company\_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 (select \* from movie order by budget desc limit 20);**