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.

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

Ans=SELECT movie.mov\_title,mov\_year,mov\_dt\_rel,

mov\_time,dir\_fname, dir\_lname

FROM movie

SELECT \* FROM movie

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

Ans=SELECT gen\_title, AVG(mov\_time), COUNT(gen\_title)

FROM movie

NATURAL JOIN movie\_genres

NATURAL JOIN genres

GROUP BY gen\_title;

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

Ans=SELECT m.mov\_title

FROM movie PK

JOIN movie\_revenue c

ON m.mov\_id = c.mov\_id

WHERE c.mov\_id IN (

Select mov\_id

FROM geners

WHERE movie\_fname='PK'

AND mov\_title=(‘PK’)

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

Ans=

|  |
| --- |
| SELECT name |
|  | FROM Reviewer |
|  | INNER JOIN Maximum value USING(rId) |
|  | WHERE budget IS NULL;   1. 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 act\_fname,act\_lname,role  FROM actor  JOIN movie\_cast ON actor.act\_id=movie\_cast.act\_id  JOIN movie ON movie\_cast.mov\_id=movie.mov\_id  AND movie.mov\_title='PK'; |

1. 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 mov\_title, mov\_year, rev\_stars, mov\_rel\_country

FROM movie

NATURAL JOIN rating

WHERE rev\_stars = (

SELECT MAX(rev\_stars)

FROM rating

);

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

Ans=SELECT genre\_id,movie\_id,genre\_name,

FROM Genre

NATURAL JOIN Genre\_name,movie\_name,mov\_title

FROM GENRE

SELECT \* FROM Genre

1. 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 mov\_title, mov\_year, rev\_stars,

FROM movie

NATURAL JOIN language

WHERE rev\_language = (

SELECT lang(rev\_language)

FROM movie

);

1. 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 act\_fname,act\_lname,role

FROM actor

JOIN movie\_cast ON actor.act\_id=movie\_cast.act\_id

JOIN crew\_mem ON actor.act\_id=movie\_cast.act\_id

JOIN movie ON movie\_cast.mov\_id=movie.mov\_id

AND movie.mov\_title='pk';

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

Ans= SELECT mov\_title, mov\_year,

act\_fname, act\_lname, role

FROM movie

NATURAL JOIN TOP 10 movie\_name,

NATURAL JOIN movie\_cast

NATURAL JOIN actor

WHERE mov\_time=(SELECT MIN(mov\_time) FROM movie);

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

Ans= SELECT mov\_title, mov\_year,

FROM movie

NATURAL JOIN most Revenue movie\_name,

NATURAL JOIN genre\_name,

NATURAL JOIN genre

WHERE mov\_name=(SELECT MIN(mov\_title) FROM movie);

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

Ans= SELECT mov\_title, mov\_year,

Rumoured,

FROM movie

NATURAL JOIN TOP 10 movie\_name,

NATURAL JOIN movie\_title

NATURAL JOIN actor

WHERE mov\_name=(SELECT ALL(mov\_title) FROM movie);

1. Write a SQL query to show the name of the “United States of America” produced movie which generated maximum revenue

Ans= SELECT mov\_title, mov\_year, rev\_stars, mov\_rel\_country

FROM movie

NATURAL JOIN revenue

WHERE rev\_country = (‘united states of america’)

SELECT MAX(rev\_name)

FROM genre

);

1. 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 DISTINCT mov\_id

FROM movie

INNER JOIN production

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

WHERE pro\_id IN (3, 4)

ORDER BY mov\_name;

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

Ans= SELECT mov\_title, mov\_year,

FROM movie

NATURAL JOIN TOP 20 movie\_name,

NATURAL JOIN movie\_title

NATURAL JOIN decresing\_order

WHERE mov\_name=(SELECT ALL(mov\_title) FROM movie);