

## Worksheet 5 SQL Assignment

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

**Answer.** SELECT \* FROM movie;

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

**Answer.** SELECT title, MAX(runtime) FROM movie;

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

**Answer.** SELECT title, MAX(revenue) FROM movie;

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

**Answer.** SELECT title, MAX(budget), MAX(revenue) FROM movie GROUP BY title DESC LIMIT 1;

**QUES 5.** Write a SQL query to show the movie title and its cast details like name of the person, gender, character name, cast order.

**Answer.** SELECT `title`, `person\_name`, `gender`, `character\_name`, `cast\_order`

FROM movie AS m INNER JOIN movie\_cast AS c

ON m.`movie\_id` = c.`movie\_id`

INNER JOIN gender AS g

ON c.`gender\_id` = g.`gender\_id`

INNER JOIN person AS p

ON c.`person\_id` = p.`person\_id`;

**QUES 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.

**Answer.** `SELECT `country.country_name`, COUNT(`movie_id`) AS no_of_movies  
FROM production_country AS a INNER JOIN country AS b  
ON a.`country_id` = b.`country_id`  
GROUP BY `country_name`  
ORDER BY no_of_movies DESC  
LIMIT 1;`

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

**Answer.** `SELECT * FROM genre;`

Or

`SELECT genre_id, genre_name FROM genre;`

**QUES 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.

**Answer.** `SELECT `language.language_name`, COUNT(`movie_id`) AS no_of_movies  
FROM movie_languages INNER JOIN language  
ON movie_languages.`language_id` = language.`country_id`  
GROUP BY `language_name`  
ORDER BY no_of_movies DESC;`

**QUES 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.

**Answer.** `SELECT `movie.title`, movie_crew.COUNT(`person_id`) AS no_of_crew_members,  
COUNT(character_name) AS no. of crew members  
FROM movie_crew INNER JOIN movie  
ON movie_crew.`movie_id` =movie.`movie_id`, INNER JOIN movie ON movie_cast.`movie_id`=  
movie.`movie_id`  
GROUP BY `title`;`

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

**Answer.** `SELECT title, popularity FROM movie GROUP BY tile ORDER BY popularity DESC;`

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

**Answer.** `SELECT `title` ,revenue FROM movie ORDER BY `revenue` DESC LIMIT 1 OFFSET 2;`

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

**Answer.** `SELECT title FROM movie WHERE movie_status='rumoured';`

**QUES 13.** Write a SQL query to show the name of the “United States of America” produced movie which generated maximum revenue.

**Answer.** SELECT `title`, `revenue`  
FROM movie AS a INNER JOIN production\_country AS b  
ON a.`movie\_id` = b.`movie\_id`  
INNER JOIN country AS c  
ON c.`country\_id` = b.`country\_id`  
WHERE `country\_name` = “United States Of America”  
ORDER BY `revenue` DESC  
LIMIT 1;

**QUES 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.

**Answer.** SELECT `movie\_company.movie\_id`, `company\_name` AS name \_company FROM  
production\_company INNER JOIN movie\_company  
ON production\_company.`company\_id` =movie\_company.`company\_id`  
GROUP BY `movie\_id`;

**QUES 15.** Write a SQL query to show the title of top 20 movies arranged in decreasing order of their budget.

**Answer.** SELECT title, budget FROM movie GROUP BY title ORDER BY `budget` DESC LIMIT 20;