# SQL Worksheet 5

1- Write SQL query to show all the data in the Movie table.
**SELECT *FROM  movie;**

**2-** Write SQL query to show the title of the longest runtime movie.
**SELECT 'title' FROM movie**
**ORDER BY 'runtime' DESC**
**LIMIT 1;**

3- Write SQL query to show the highest revenue generating movie title.
**SELCT 'title' FROM movie**
**ORDER BY 'revenue' DESC**
**LIMIT 1;**

**4-** Write SQL query to show the movie title with maximum value of revenue/budget.
**SELECT `title`, `revenue`/`budget` as revenue_budget_ratio FROM movie**
**ORDER BY revenue_budget_ratio DESC**
**LIMIT 1;**

**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 a**
**INNER JOIN movie_cast  AS b**
**ON a.'movie_id'= b.' movie_id'**
**INNER JOIN person AS c**
**ON c.'person_id'=b.' person_id'**
**INNER JOIN gender AS d**
**ON d.'gender_id'= b. 'gender_id ';**

**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_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;**

7-Write a SQL query to show all the genre_id in one column and genre_name in second column
**SELECT 'genre_id' , 'genre_name' FROM genre;**

**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.
**SELECT `language_name`, COUNT(`movie_id`) AS no_of_movies**
**FROM movie_languages AS a**
**INNER JOIN language AS b**

```
ON a.`language_id` = b.`language_id`
GROUP BY b.`language_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.

```
SELECT `title`, COUNT(`person_id`) AS no_of_cast,
COUNT (`person_id`) AS no_of_crew
FROM movie AS a
INNER JOIN movie_cast AS b
ON a.`movie_id` = b.`movie_id`
INNER JOIN movie_crew AS c
ON  a.`movie_id` = c.`movie_id`
GROUP BY b.`movie_id, c.`movie_id` ;
```

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

```
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.

```
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.

```
SELECT 'title' FROM movie
    WHERE movie_status= 'rumoured' ;
```

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

```
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;
```

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.

```
SELECT  'movie_id',' company_name'
FROM movie_company AS a
INNER JOIN ON production_company AS b
ON a.' company_id'=b.' company_id'
```

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

```
SELECT ‘title’ FROM movie
ORDER BY budget DESC
LIMIT 20;
```