**INTERNSHIP PROJECT**

**PROJECT TEAM ID: PTID-CDA-MAR-23-138 PROJECT ID: PRSQL-01**

**PROJECT NAME: IMDB Movies MEMBER NAME: P SHIVA KUMAR REDDY**

**TOOLS USED: SQL**

**Step-1 Connected to the database server using given IP Address, username, password**

For the SQL queries have written the queries as follows

USE project\_movie\_database;

-- seeing all the data in the tables

SELECT \* FROM directors;

SELECT \* FROM movies;

**Step-2**

**QUERIES**

**-- a) Can you get all data about movies?**

SELECT \* FROM movies;

**-- b) How do you get all data about directors?**

SELECT \* FROM directors;

**-- c) Check how many movies are present in IMDB.**

SELECT COUNT(\*) AS total\_movies FROM movies;

**-- d) Find these 3 directors: James Cameron ; Luc Besson ; John** Woo

SELECT \* FROM directors WHERE name IN ('James Cameron', 'Luc Besson', 'John Woo');

**-- e) Find all directors with name starting with Steven**.

SELECT \* FROM directors WHERE name LIKE 'Steven%';

**-- f) Count female directors.**

SELECT COUNT(\*) AS female\_directors FROM directors WHERE gender = 1;

**-- g) Find the name of the 10th first women directors?**

SELECT name FROM directors WHERE gender = 1 ORDER BY id LIMIT 9,1;

**-- h) What are the 3 most popular movies?**

SELECT \* FROM movies ORDER BY popularity DESC LIMIT 3;

**-- i) What are the 3 most bankable movies?**

SELECT \* FROM movies ORDER BY revenue DESC LIMIT 3;

**-- j) What is the most awarded average vote since the January 1st, 2000?**

SELECT

AVG(vote\_average) AS avg\_vote

FROM

movies

WHERE

release\_date >= '2000-01-01'

ORDER BY avg\_vote DESC

LIMIT 1;

**-- k) Which movie(s) were directed by Brenda Chapman?**

-- as it is a join on using common id from both the tables

SELECT movies.\*

FROM movies

JOIN directors ON movies.director\_id = directors.id

WHERE directors.name = 'Brenda Chapman';

**-- l) Whose director made the most movies**?

-- as it is a join on using common id from both the tables

SELECT directors.name AS director\_name, COUNT(\*) AS movie\_count

FROM movies

JOIN directors ON movies.director\_id = directors.id

GROUP BY directors.name

ORDER BY movie\_count DESC

LIMIT 1;

**-- m) Whose director is the most bankable?**

-- as it is a join on using common id from both the tables

SELECT directors.name AS director\_name, SUM(movies.revenue) AS total\_revenue

FROM movies

JOIN directors ON movies.director\_id = directors.id

GROUP BY directors.name

ORDER BY total\_revenue DESC

LIMIT 1;