

LAB REPORT ON DATABASE QUERIES

Course Name: Sessional based on CSE 3101 (Database System)

Course No.: 3102

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Query 1.1

Find the name, genre, IMDB-rating of all the movies.

```
SELECT Movie_Name, Genre, IMDB_Rating FROM movie;
```

Showing rows 0 - 10 (11 total, Query took 0.0023 seconds.)

SELECT Movie_Name, Genre, IMDB_Rating FROM movie

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Movie_Name	Genre	IMDB_Rating
<input type="checkbox"/>				Pather Panchali	Drama	8.5
<input type="checkbox"/>				Noukadubi	Drama	7.6
<input type="checkbox"/>				Abohoman	Drama	7.3
<input type="checkbox"/>				Joi Baba Felunath	Thriller	8
<input type="checkbox"/>				Jibon Theke Neya	Drama	9.4
<input type="checkbox"/>				Moner Manush	Biography	8
<input type="checkbox"/>				Apur Panchali	Biography	8.2
<input type="checkbox"/>				Goynar Baksho	Comedy	7.1
<input type="checkbox"/>				Byomkesh O Agnibaan	Thriller	7.4
<input type="checkbox"/>				Byomkesh Bakshi	Thriller	7.4
<input type="checkbox"/>				PK	Fiction	8.2

Query 1.2

Display all the distinct movie-genres.

```
SELECT DISTINCT (Genre) FROM movie;
```

Showing rows 0 - 4 (5 total, Query took 0.0036 seconds.)

SELECT DISTINCT Genre FROM movie

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Genre
<input type="checkbox"/>				Drama
<input type="checkbox"/>				Thriller
<input type="checkbox"/>				Biography
<input type="checkbox"/>				Comedy
<input type="checkbox"/>				Fiction

Query 1.3

Find the name and current age of all the actors.

```
SELECT Actor_Name, 2021-Birth_Year as Current_Age FROM actor;
```

Showing rows 0 - 6 (7 total, Query took 0.0042 seconds.)

SELECT Actor_Name, 2021-Birth_Year as Current_Age FROM actor

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Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Actor_Name	Current_Age
<input type="checkbox"/>	Edit	Copy	Delete	Anjan Dutt	86
<input type="checkbox"/>	Edit	Copy	Delete	Goutam Ghose	86
<input type="checkbox"/>	Edit	Copy	Delete	Aparna Sen	76
<input type="checkbox"/>	Edit	Copy	Delete	Kaushik Ganguly	53
<input type="checkbox"/>	Edit	Copy	Delete	Soumitra Chatterjee	86
<input type="checkbox"/>	Edit	Copy	Delete	Uttam Kumar	95
<input type="checkbox"/>	Edit	Copy	Delete	Razzak	79

- Drag to reorder.
- Click to mark/unmark.
- Double-click to copy column name.

Query 1.4

Find all the movies of the thriller genre with an IMDB rating.
greater than or equal to 8.0.

SELECT Movie_Name, Genre, IMDB_Rating FROM movie WHERE Genre IN ('thriller') AND
IMDB_Rating > 7.9;

Or

SELECT Movie_Name, Genre, IMDB_Rating FROM movie WHERE Genre IN ('thriller') AND
IMDB_Rating >= 8;

Showing rows 0 - 0 (1 total, Query took 0.0044 seconds.)

SELECT Movie_Name, Genre, IMDB_Rating FROM movie WHERE Genre IN ('thriller') AND IMDB_Rating>7.9

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Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

				Movie_Name	Genre	IMDB_Rating
<input type="checkbox"/>	Edit	Copy	Delete	Joi Baba Felunath	Thriller	8

Query 1.5

Find the movie_name, release year, IMDB rating, and the name of the
director of all the movies.

SELECT movie.Movie_Name, movie.Year, movie.IMDB_Rating, director.Director_Name FROM
movie JOIN director using (Person_ID);

or

```
SELECT movie.Movie_Name, movie.Year, movie.IMDB_Rating, director.Director_Name FROM
movie, director WHERE movie.Person_ID = director.Person_ID;
```

or

```
SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie NATURAL JOIN director;
```

or

```
SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie INNER JOIN director ON
movie.Person_ID=director.Person_ID;
```

or

```
SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie INNER JOIN director
USING(Person_ID);
```

Showing rows 0 - 10 (11 total, Query took 0.0024 seconds.)

```
SELECT movie.Movie_Name, movie.Year, movie.IMDB_Rating, director.Director_Name FROM movie JOIN director using(Person_ID)
```

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☐ Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None

+ Options

Movie_Name	Year	IMDB_Rating	Director_Name
Pather Panchali	1955	8.5	Saytajit Ray
Noukadubi	2011	7.6	Rituparno Ghosh
Abohoman	2009	7.3	Rituparno Ghosh
Joy Baba Felunath	1979	8	Saytajit Ray
Jibon Theke Neya	1970	9.4	Zahir Raihan
Moner Manush	2010	8.0	Goutam Ghose
Apur Panchali	2013	8.2	Kaushik Ganguly
Goynar Baksho	2013	7.1	Aparna Sen
Byomkesh O Agniban	2017	7.4	Anjan Dutt
Byomkesh Bakshi	2010	7.4	Anjan Dutt
PK	1914	8.2	Rajkumar Hirani

Query 1.6

Find the name and number of awards of those directors whose name starts with an 'S'.

```
SELECT Director_Name, No_Of_Awards FROM director WHERE Director_Name LIKE 'S%';
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0017 seconds.)

```
SELECT Director_Name, No_Of_Awards FROM director WHERE Director_Name LIKE '%a_'
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Director_Name	No_Of_Awards
<input type="checkbox"/>	Saytajit Ray	55

Query 1.7

Find the name and birth year of those directors whose name contains an 'a' as its 2nd last character.

SELECT Director_Name, Birth_Year FROM director WHERE Director_Name LIKE '%a_';

✓ Showing rows 0 - 1 (2 total, Query took 0.0018 seconds.)

```
SELECT Director_Name, Birth_Year FROM director WHERE Director_Name LIKE '%a_'
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Director_Name	Birth_Year
<input type="checkbox"/>	Zahir Raihan	1935
<input type="checkbox"/>	Saytajit Ray	1921

Query 1.8

Find the name, release year, and genre of all the movies which contain the word 'Byomkesh' anywhere in their name.

SELECT Movie_Name, Genre, Year FROM movie WHERE Movie_Name LIKE '%Byomkesh%';

✓ Showing rows 0 - 1 (2 total, Query took 0.0039 seconds.)

```
SELECT Movie_Name, Genre, Year FROM movie WHERE Movie_Name LIKE '%Byomkesh%'
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Movie_Name	Genre	Year
<input type="checkbox"/>	Byomkesh O Agniban	Thriller	2017
<input type="checkbox"/>	Byomkesh Bakshi	Thriller	2010

Query 1.9

Find the name and IMDB rating of all the movies whose name consists of only 2 characters.

```
SELECT Movie_Name, IMDB_Rating FROM movie WHERE Movie_Name LIKE '__';
```

Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)

```
SELECT Movie_Name, IMDB_Rating FROM movie WHERE Movie_Name LIKE '__';
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Movie_Name	IMDB_Rating
<input type="checkbox"/>	PK	8.2

Query 2.0

Find the name and genre of all the movies whose name consists of at least 4 characters.

```
SELECT Movie_Name, Genre FROM movie WHERE LENGTH(Movie_Name)>=4;
```

Showing rows 0 - 9 (10 total, Query took 0.0014 seconds.)

```
SELECT Movie_Name, Genre FROM movie WHERE LENGTH(Movie_Name)>=4;
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Movie_Name	Genre
<input type="checkbox"/>	Pather Panchali	Drama
<input type="checkbox"/>	Noukadubi	Drama
<input type="checkbox"/>	Abohoman	Drama
<input type="checkbox"/>	Joy Baba Felunath	Thriller
<input type="checkbox"/>	Jibon Theke Neya	Drama
<input type="checkbox"/>	Moner Manush	Biography
<input type="checkbox"/>	Apur Panchali	Biography
<input type="checkbox"/>	Goynar Baksho	Comedy
<input type="checkbox"/>	Byomkesh O Agniban	Thriller
<input type="checkbox"/>	Byomkesh Bakshi	Thriller

or

```
SELECT Movie_Name, Genre FROM movie WHERE Movie_Name LIKE "____%";
```

Showing rows 0 - 9 (10 total, Query took 0.0013 seconds.)

```
SELECT Movie_Name, Genre FROM movie WHERE Movie_Name LIKE "____%"
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options				Movie_Name	Genre
<input type="checkbox"/>				Pather Panchali	Drama
<input type="checkbox"/>				Noukadubi	Drama
<input type="checkbox"/>				Abohoman	Drama
<input type="checkbox"/>				Joy Baba Felunath	Thriller
<input type="checkbox"/>				Jibon Theke Neya	Drama
<input type="checkbox"/>				Moner Manush	Biography
<input type="checkbox"/>				Apur Panchali	Biography
<input type="checkbox"/>				Goynar Baksho	Comedy
<input type="checkbox"/>				Byomkesh O Agniban	Thriller
<input type="checkbox"/>				Byomkesh Bakshi	Thriller

Query 2.1

Find the name and IMDB rating of all the movies which contain either 1 or, 2 or, 3 or, 4 characters in their name.

```
SELECT Movie_Name, IMDB_Rating FROM movie WHERE LENGTH(Movie_Name)=1 OR LENGTH(Movie_Name)=2 OR LENGTH(Movie_Name)=3 OR LENGTH(Movie_Name)=4;
```

Showing rows 0 - 0 (1 total, Query took 0.0027 seconds.)

```
SELECT Movie_Name, IMDB_Rating FROM movie WHERE LENGTH(Movie_Name)=1 OR LENGTH(Movie_Name)=2 OR LENGTH(Movie_Name)=3 OR LENGTH(Movie_Name)=4
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options				Movie_Name	IMDB_Rating
<input type="checkbox"/>				PK	8.2

or

```
SELECT Movie_Name, Genre FROM movie WHERE Movie_Name NOT LIKE "____%"
```

Showing rows 0 - 0 (1 total, Query took 0.0016 seconds.)

```
SELECT Movie_Name, Genre FROM movie WHERE Movie_Name NOT LIKE "____%"
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

				Movie_Name	Genre
<input type="checkbox"/>	Edit	Copy	Delete	PK	Fiction

Query 2.2

Display all the movies according to their IMDB rating (in descending order); if multiple movies have the same IMDB rating then rearrange those movies alphabetically according to their names.

`SELECT * FROM movie ORDER BY IMDB_Rating DESC, Movie_Name ASC;`

Showing rows 0 - 10 (11 total, Query took 0.0018 seconds.) [IMDB_Rating: 9.4... - 7.1...] [Movie_Name: JIBON THEKE NEYA... - GOYNAR BAKSHO...]

```
SELECT * FROM movie ORDER BY IMDB_Rating DESC, Movie_Name ASC
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Movie_ID	Movie_Name	Genre	Year	IMDB_Rating	Person_Id
<input type="checkbox"/>	Edit	Copy	Delete	5	Jibon Theke Neya	Drama	1970	9.4	1
<input type="checkbox"/>	Edit	Copy	Delete	1	Pather Panchali	Drama	1955	8.5	3
<input type="checkbox"/>	Edit	Copy	Delete	7	Apur Panchali	Biography	2013	8.2	8
<input type="checkbox"/>	Edit	Copy	Delete	11	PK	Fiction	1914	8.2	2
<input type="checkbox"/>	Edit	Copy	Delete	6	Moner Manush	Biography	2010	8.0	6
<input type="checkbox"/>	Edit	Copy	Delete	4	Joy Baba Felunath	Thriller	1979	8	3
<input type="checkbox"/>	Edit	Copy	Delete	2	Noukadubi	Drama	2011	7.6	5
<input type="checkbox"/>	Edit	Copy	Delete	10	Byomkesh Bakshi	Thriller	2010	7.4	4
<input type="checkbox"/>	Edit	Copy	Delete	9	Byomkesh O Agniban	Thriller	2017	7.4	4
<input type="checkbox"/>	Edit	Copy	Delete	3	Abohoman	Drama	2009	7.3	5
<input type="checkbox"/>	Edit	Copy	Delete	8	Goynar Baksho	Comedy	2013	7.1	7

Query 2.3

Find the average IMDB rating of all the movies of the drama genre.

`SELECT Genre, AVG(IMDB_Rating) FROM movie WHERE Genre IN ('Drama');`

✔ Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
SELECT Genre, AVG(IMDB_Rating) FROM movie WHERE Genre IN ('Drama')
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Genre	AVG(IMDB_Rating)
<input type="checkbox"/>	Drama	8.2000000000000001

Edit Copy Delete

Query 2.4

Find the total number of movies in the database.

```
SELECT COUNT(Movie_ID) AS Total_Movie FROM movie;
```

or

```
SELECT COUNT(Movie_Name) AS Total_Movie FROM movie;
```

Your SQL query has been executed successfully.

```
SELECT COUNT(Movie_ID) AS Total_Movie FROM movie
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

+ Options

Total_Movie
11

Query 2.5

Find how many movie-genres are there in the database.

```
SELECT COUNT(DISTINCT Genre) AS Dissimilar_Genres FROM movie;
```

Your SQL query has been executed successfully.

```
SELECT COUNT(DISTINCT Genre) AS Dissimilar_Genres FROM movie
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

+ Options

Dissimilar_Genres

5

Query 2.6

Find the total number of movies in each genre.

```
SELECT Genre AS Dissimilar_Genre, COUNT(Movie_ID) FROM movie GROUP BY Genre HAVING COUNT(Movie_ID)>=1;
```

✓ Showing rows 0 - 4 (5 total, Query took 0.0016 seconds.)

```
SELECT Genre AS Dissimilar_Genre, COUNT(Movie_ID) FROM movie GROUP BY Genre HAVING COUNT(Movie_ID)>=1
```

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☐ Show all | Number of rows: 25 ▾ Filter rows:

+ Options

Dissimilar_Genre	COUNT(Movie_ID)
Biography	2
Comedy	1
Drama	4
Fiction	1
Thriller	3

Query 2.7

Find all the movies of action, thriller/fiction genre.

```
SELECT Movie_Name, Genre FROM movie WHERE Genre='Action' OR Genre='Thriller' OR Genre='Fiction';
```

or

```
SELECT Movie_Name, Genre FROM movie WHERE Genre IN ('Action', 'Thriller', 'Fiction');
```

Showing rows 0 - 3 (4 total, Query took 0.0021 seconds.)

```
SELECT Movie_Name, Genre FROM movie WHERE Genre='Action' OR Genre='Thriller' or Genre='Fiction'
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Movie_Name	Genre
<input type="checkbox"/>				Joi Baba Felunath	Thriller
<input type="checkbox"/>				Byomkesh O Agnibaaan	Thriller
<input type="checkbox"/>				Byomkesh Bakshi	Thriller
<input type="checkbox"/>				PK	Fiction

Query 2.8

Find the Name and current age of all the directors and actors.

```
SELECT Director_Name, 2021-director.Birth_Year AS Directors_Age FROM director UNION
SELECT Actor_Name, 2021-actor.Birth_Year AS Actors_Age FROM actor;
```

Showing rows 0 - 10 (11 total, Query took 0.0024 seconds.)

```
SELECT Director_Name, 2021-director.Birth_Year AS Directors_Age FROM director UNION SELECT Actor_Name, 2021-actor.Birth_Year AS Actors_Age FROM actor
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Director_Name	Directors_Age
Zahir Raihan	86
Rajkumar Hirani	59
Saytajit Ray	100
Anjan Dutt	68
Rituparno Ghosh	58
Goutam Ghose	71
Aparna Sen	76
Kaushik Ganguly	53
Soumitra Chatterjee	86
Uttam Kumar	95
Razzak	79

or

```
SELECT Director_Name AS Name, (2021-director.Birth_Year) AS Current_age FROM director
UNION SELECT Actor_Name AS Name, (2021-actor.Birth_Year) AS Current_age FROM actor;
```

Showing rows 0 - 10 (11 total, Query took 0.0034 seconds.)

```
SELECT Director_Name AS Name, (2021-director.Birth_Year) AS Current_age FROM director UNION SELECT Actor_Name AS Name, (2021-actor.Birth_Year) AS Current_age FROM actor
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Name	Current_age
Zahir Raihan	86
Rajkumar Hirani	59
Sayajit Ray	100
Anjan Dutt	68
Rituparno Ghosh	58
Goutam Ghose	71
Aparna Sen	76
Kaushik Ganguly	53
Soumitra Chatterjee	86
Uttam Kumar	95
Razzak	79

Query 3.1

Display the name, IMDB rating and genre of all the movies with an IMDB rating greater than or equal to 8.0.

```
SELECT Movie_Name, IMDB_Rating, Genre FROM movie WHERE IMDB_Rating >= 8.0;
```

Showing rows 0 - 5 (6 total, Query took 0.0014 seconds.)

```
SELECT Movie_Name, IMDB_Rating, Genre FROM movie WHERE IMDB_Rating >= 8.0;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Movie_Name	IMDB_Rating	Genre
<input type="checkbox"/> Edit Copy Delete	Pather Panchali	8.5	Drama
<input type="checkbox"/> Edit Copy Delete	Joy Baba Felunath	8	Thriller
<input type="checkbox"/> Edit Copy Delete	Jibon Theke Neya	9.4	Drama
<input type="checkbox"/> Edit Copy Delete	Moner Manush	8.0	Biography
<input type="checkbox"/> Edit Copy Delete	Apur Panchali	8.2	Biography
<input type="checkbox"/> Edit Copy Delete	PK	8.2	Fiction

Query 3.2

Display all the distinct movie-genres and the average IMDB rating of each movie-genre.

```
SELECT Genre, AVG(IMDB_rating) AS Average_IMDB_Rating FROM movie GROUP BY Genre;
```

Showing rows 0 - 4 (5 total, Query took 0.0020 seconds.)

```
SELECT Genre, AVG(IMDB_rating) AS Average_IMDB_Rating from movie GROUP BY Genre;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Genre	Average_IMDB_Rating
<input type="checkbox"/> Edit Copy Delete	Biography	8.1
<input type="checkbox"/> Edit Copy Delete	Comedy	7.1
<input type="checkbox"/> Edit Copy Delete	Drama	8.2000000000000001
<input type="checkbox"/> Edit Copy Delete	Fiction	8.2
<input type="checkbox"/> Edit Copy Delete	Thriller	7.6000000000000005

Query 3.3

Find the name and the average IMDb rating of those movie-genres whose average IMDb rating is greater than or equal to 7.5.

```
SELECT Movie_Name, Genre, AVG(IMDB_Rating) AS Average_IMDB_Rating FROM movie
GROUP BY Genre HAVING AVG(IMDB_Rating) >= 7.5;
```

Showing rows 0 - 3 (4 total, Query took 0.0027 seconds.)

```
SELECT Movie_Name, Genre, AVG(IMDB_Rating) AS Average_IMDB_Rating FROM movie GROUP BY Genre HAVING AVG(IMDB_Rating) >= 7.5;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Movie_Name	Genre	Average_IMDB_Rating
<input type="checkbox"/> Edit Copy Delete	Moner Manush	Biography	8.1
<input type="checkbox"/> Edit Copy Delete	Pather Panchali	Drama	8.2000000000000001
<input type="checkbox"/> Edit Copy Delete	PK	Fiction	8.2
<input type="checkbox"/> Edit Copy Delete	Joy Baba Felunath	Thriller	7.6000000000000005

Query 3.4

Find the name, number of films and number of awards of the director who directed the most number of films

```
SELECT Director_Name, No_of_Films, No_of_Awards FROM director GROUP BY No_of_Films
DESC, Director_Name HAVING MAX(No_of_Films);
```

Or

```
SELECT Director_Name, No_of_Films, No_of_Awards FROM director GROUP BY Director_Name
HAVING MAX(No_of_Films) ORDER BY No_of_Films DESC
```

Showing rows 0 - 7 (8 total, Query took 0.0018 seconds.)

```
SELECT Director_Name, No_of_Films, No_of_Awards FROM director GROUP BY No_of_Films DESC, Director_Name HAVING MAX(No_of_Films)
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Director_Name	No_of_Films	No_of_Awards
<input type="checkbox"/>				Saytajit Ray	45	55
<input type="checkbox"/>				Anjan Dutt	23	17
<input type="checkbox"/>				Kaushik Ganguly	23	30
<input type="checkbox"/>				Rituparno Ghosh	20	15
<input type="checkbox"/>				Aparna Sen	12	7
<input type="checkbox"/>				Goutam Ghose	12	8
<input type="checkbox"/>				Rajkumar Hirani	5	9
<input type="checkbox"/>				Zahir Raihan	5	5

Query 3.5

Find the name, current age, number of films and number of awards of the youngest actor.

```
SELECT Actor_Name, 2021-Birth_Year AS Youngest_aged, No_of_Films, No_of_Awards FROM actor WHERE 2021-Birth_Year = (SELECT MIN(2021-Birth_Year) FROM actor);
```

Showing rows 0 - 0 (1 total, Query took 0.0064 seconds.)

```
SELECT Actor_Name, 2021-Birth_Year AS Youngest_aged, No_of_Films, No_of_Awards FROM actor WHERE 2021-Birth_Year = (SELECT MIN(2021-Birth_Year) FROM actor);
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

				Actor_Name	Youngest_aged	No_of_Films	No_of_Awards
<input type="checkbox"/>				Kaushik Ganguly	53	22	7

Query 3.6

Find the name, IMDb rating and genre of those movies whose IMDb Rating is above average.

```
SELECT Movie_Name, IMDB_Rating AS IMDB_Rating_Greater_than_avg, Genre FROM movie WHERE IMDB_Rating > (SELECT AVG(IMDB_Rating) FROM movie);
```

Showing rows 0 - 5 (6 total, Query took 0.0053 seconds.)

```
SELECT Movie_Name, IMDB_Rating AS IMDB_Rating_Greater_than_avg, Genre FROM movie WHERE IMDB_Rating > (SELECT AVG(IMDB_Rating) FROM movie);
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				Movie_Name	IMDB_Rating_Greater_than_avg	Genre
<input type="checkbox"/>	Edit	Copy	Delete	Pather Panchali	8.5	Drama
<input type="checkbox"/>	Edit	Copy	Delete	Joy Baba Felunath	8	Thriller
<input type="checkbox"/>	Edit	Copy	Delete	Jibon Theke Neya	9.4	Drama
<input type="checkbox"/>	Edit	Copy	Delete	Moner Manush	8.0	Biography
<input type="checkbox"/>	Edit	Copy	Delete	Apur Panchali	8.2	Biography
<input type="checkbox"/>	Edit	Copy	Delete	PK	8.2	Fiction

Query 3.7

Find the name and average IMDb rating of those movie-genres whose average IMDb rating is below average.

```
SELECT Genre, AVG(IMDB_Rating) AS Below_avg FROM movie GROUP BY Genre HAVING AVG(IMDB_Rating) < (SELECT AVG(IMDB_Rating) FROM movie);
```

Showing rows 0 - 1 (2 total, Query took 0.0020 seconds.)

```
SELECT Genre, AVG(IMDB_Rating) AS Below_avg FROM movie GROUP BY Genre HAVING AVG(IMDB_Rating) < (SELECT AVG(IMDB_Rating) FROM movie);
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

				Genre	Below_avg
<input type="checkbox"/>	Edit	Copy	Delete	Comedy	7.1
<input type="checkbox"/>	Edit	Copy	Delete	Thriller	7.6000000000000005

Query 3.8

Among all the movie genres, find the highest average IMDb rating.

```
SELECT Genre, AVG(IMDB_Rating) AS High_avg_Genre FROM movie
```

```
GROUP BY Genre HAVING AVG(IMDB_Rating) >= ALL(SELECT AVG(IMDB_Rating) FROM movie GROUP BY Genre);
```

Or

```
SELECT AVG(IMDB_Rating) AS High_avg, Genre FROM movie GROUP BY Genre ORDER BY
AVG(IMDB_Rating) DESC LIMIT 1
```

or

```
SELECT genre, MAX(Imdb) FROM (SELECT Genre AS genre, AVG(IMDB_Rating) AS Imdb FROM
movie GROUP BY Genre ORDER BY IMDB_Rating DESC ) AS avg_imdb;
```

Showing rows 0 - 0 (1 total, Query took 0.0033 seconds.)

```
SELECT genre, MAX(Imdb) FROM (SELECT Genre AS genre, AVG(IMDB_Rating) AS Imdb FROM movie GROUP BY Genre ORDER BY IMDB_Rating DESC) AS avg_imdb
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

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genre	MAX(Imdb)
Drama	8.200000000000001

Query 4.1

Find the name and age of all the movie characters who are not teenagers.

```
SELECT Character_Name, Age FROM movie_characters WHERE Age < 13 OR Age > 19;
```

Showing rows 0 - 30 (31 total, Query took 0.0014 seconds.)

```
SELECT Character_Name, Age FROM movie_characters WHERE Age < 13 OR Age > 19
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 50 | Filter rows: Search this table

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Character_Name	Age
Apu	7
Durga	10
Harihara	42
Sarabajaya	35
Ramesh	28
Hemalini	25
Nalinaksha	30
Kamala	20
Shikha	21
Aparajita	26
Feluda	25
Maganlal Meghraj	35
Jafaru	45
Ruku	6
Faruk	22
Sabhi	24
Kalash	25
Siraj Saam	45
Komil	25
Ashima	24
Somalata	24
Byomkesh Bakshi	26
Ajit	27
Dakkumar	50
Doctor Anukul	45
Prabhat	27
Satyabati	22
Anadi Babu	55
Jaggu	28
Santosh	29
Tapasvi Maharaj	50

Query 4.2

Find the movie ID of all the movies and the number of movie-characters in each movie


```
SELECT Movie_ID, COUNT(Character_ID) AS Character_number FROM
movie_character_relationship GROUP BY Movie_ID;
```

Showing rows 0 - 10 (11 total, Query took 0.0020 seconds)

```
SELECT Movie_ID, COUNT(Character_ID) AS Character_number FROM movie_character_relationship GROUP BY Movie_ID
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Movie_ID	Character_number
1	4
2	4
3	2
4	5
5	3
6	4
7	2
8	3
9	6
10	5
11	4

Query 4.3

Find the movie name of all the movies and the number of movie-characters in each movie.

```
SELECT Movie_Name, COUNT(Character_ID) FROM movie AS m JOIN
movie_character_relationship AS mcr ON m.Movie_ID=mcr.Movie_ID GROUP BY mcr.Movie_ID;
```

Showing rows 0 - 10 (11 total, Query took 0.0023 seconds)

```
SELECT Movie_Name, COUNT(Character_ID) FROM movie AS m JOIN movie_character_relationship AS mcr ON m.Movie_ID=mcr.Movie_ID GROUP BY mcr.Movie_ID
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Movie_Name	COUNT(Character_ID)
Pather Panchali	4
Noukadubi	4
Abohoman	2
Joy Baba Felunath	5
Jibon Theke Neya	3
Moner Manush	4
Apur Panchali	2
Goynar Baksho	3
Byomkesh O Agniban	6
Byomkesh Bakshi	5
PK	4

Query 4.4

Find the name, year of release, IMDB rating and the name of the director of all the movies that contain at least 12 characters (including spaces) in their name.

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE Director_Name LIKE "_____";

Showing rows 0 - 7 (8 total, Query took 0.0021 seconds.)

```
SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE Director_Name LIKE "_____";
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Movie_Name	Year	IMDB_Rating	Director_Name
Pather Panchali	1955	8.5	Saytajit Ray
Noukadubi	2011	7.6	Rituparno Ghosh
Abohoman	2009	7.3	Rituparno Ghosh
Joy Baba Felunath	1979	8	Saytajit Ray
Jibon Theke Neya	1970	9.4	Zahir Raihan
Moner Manush	2010	8.0	Goutam Ghose
Apur Panchali	2013	8.2	Kaushik Ganguly
PK	1914	8.2	Rajkumar Hirani

or

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE LENGTH(Director_Name)>=12;

Showing rows 0 - 7 (8 total, Query took 0.0021 seconds.)

```
SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE LENGTH(Director_Name)>=12
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Movie_Name	Year	IMDB_Rating	Director_Name
Pather Panchali	1955	8.5	Saytajit Ray
Noukadubi	2011	7.6	Rituparno Ghosh
Abohoman	2009	7.3	Rituparno Ghosh
Joy Baba Felunath	1979	8	Saytajit Ray
Jibon Theke Neya	1970	9.4	Zahir Raihan
Moner Manush	2010	8.0	Goutam Ghose
Apur Panchali	2013	8.2	Kaushik Ganguly
PK	1914	8.2	Rajkumar Hirani

Query 4.5

Find the name, year of release, IMDB rating and the name of the director of all the movies that contain at most 12 characters (including spaces) in their name.

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE LENGTH(Director_Name)<=12;

Showing rows 0 - 6 (7 total, Query took 0.0022 seconds.)

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE Director_Name NOT LIKE "_____%"

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Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Movie_Name	Year	IMDB_Rating	Director_Name
Pather Panchali	1955	8.5	Saytajit Ray
Joy Baba Felunath	1979	8	Saytajit Ray
Jibon Theke Neya	1970	9.4	Zahir Raihan
Moner Manush	2010	8.0	Goutam Ghose
Goynar Baksho	2013	7.1	Aparna Sen
Byomkesh O Agniban	2017	7.4	Anjan Dutt
Byomkesh Bakshi	2010	7.4	Anjan Dutt

or

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE Director_Name NOT LIKE "_____%";

Showing rows 0 - 6 (7 total, Query took 0.0021 seconds.)

SELECT Movie_Name, Year, IMDB_Rating, Director_Name FROM movie AS m JOIN director AS d ON m.Person_Id=d.Person_Id WHERE LENGTH(Director_Name)<=12

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

Movie_Name	Year	IMDB_Rating	Director_Name
Pather Panchali	1955	8.5	Saytajit Ray
Joy Baba Felunath	1979	8	Saytajit Ray
Jibon Theke Neya	1970	9.4	Zahir Raihan
Moner Manush	2010	8.0	Goutam Ghose
Goynar Baksho	2013	7.1	Aparna Sen
Byomkesh O Agniban	2017	7.4	Anjan Dutt
Byomkesh Bakshi	2010	7.4	Anjan Dutt

Query 4.6

Find the name, year of release, IMDB rating of all the movies of Byomkesh (N.B.: A movie of Byomkesh may not contain the term 'Byomkesh' in its name).

```

SELECT Movie_Name, Character_Name, Year, IMDB_Rating
FROM movie_character_relationship AS mcr
JOIN movie AS m
ON m.Movie_ID=mcr.Movie_ID
JOIN movie_characters AS mc
ON mcr.Character_ID=mc.Character_ID
WHERE Movie_Name LIKE "%Byomkesh%" AND Character_Name LIKE "%Byomkesh%"
GROUP BY m.Movie_Name;

```

Showing rows 0 - 1 (2 total, Query took 0.0033 seconds.)

```

SELECT Movie_Name, Character_Name, Year, IMDB_Rating FROM movie_character_relationship AS mcr JOIN movie AS m ON m.Movie_ID=mcr.Movie_ID JOIN movie_characters AS mc ON mcr.Character_ID=mc.Character_ID WHERE Movie_Name LIKE "%Byomkesh%" AND Character_Name LIKE "%Byomkesh%" GROUP BY m.Movie_Name

```

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☐ Show all | Number of rows: 25 | Filter rows:

+ Options

Movie_Name	Character_Name	Year	IMDB_Rating
Byomkesh Bakshi	Byomkesh Bakshi	2010	7.4
Byomkesh O Agniban	Byomkesh Bakshi	2017	7.4

or

```

SELECT Movie_Name, Character_Name, Year, IMDB_Rating
FROM movie_character_relationship AS mcr
JOIN movie AS m
ON m.Movie_ID=mcr.Movie_ID
JOIN movie_characters AS mc
ON mcr.Character_ID=mc.Character_ID
WHERE Character_Name LIKE "%Byomkesh%"

```

Showing rows 0 - 1 (2 total, Query took 0.0044 seconds.)

```

SELECT Movie_Name, Character_Name, Year, IMDB_Rating FROM movie_character_relationship AS mcr JOIN movie AS m ON m.Movie_ID=mcr.Movie_ID JOIN movie_characters AS mc ON mcr.Character_ID=mc.Character_ID WHERE Character_Name LIKE "%Byomkesh%"

```

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☐ Show all | Number of rows: 25 | Filter rows:

+ Options

Movie_Name	Character_Name	Year	IMDB_Rating
Byomkesh O Agniban	Byomkesh Bakshi	2017	7.4
Byomkesh Bakshi	Byomkesh Bakshi	2010	7.4

Query 4.7

Find the name and age of all the characters from the movies of Feluda (N.B.: A movie of Feluda may not contain the term 'Feluda' in its name).

```
SELECT Character_Name AS Characters_From_Feluda, Age
FROM movie_characters AS mc
JOIN movie_character_relationship AS mcr
ON mc.Character_ID=mcr.Character_ID
WHERE Movie_ID IN (SELECT Movie_ID FROM movie_character_relationship
WHERE Character_ID IN (SELECT Character_ID FROM movie_characters WHERE Character_Name LIKE "%Feluda%"))
```

Showing rows 0 - 4 (5 total, Query took 0.0093 seconds.)

```
SELECT Character_Name AS Characters_From_Feluda, Age FROM movie_characters AS mc JOIN movie_character_relationship AS mcr ON mc.Character_ID=mcr.Character_ID WHERE Movie_ID = (SELECT Movie_ID FROM movie_character_relationship WHERE Character_ID = (SELECT Character_ID FROM movie_characters WHERE Character_Name LIKE "%Feluda%"))
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Characters_From_Feluda	Age
Feluda	25
Maganlal Meghraj	35
Jatayu	45
Topshe	18
Ruku	6

Database Preview:

