***Level-1***

***Query-1: Display the name, IMDb rating and genre of all the movies with an IMDb rating greater than or equal to 8.0.***

***Query-2: Find how many movies are there in each genre with an IMDb rating greater than or equal to 8.0.***

***Query-3: Find the name and average IMDb rating of those genre whose average IMDB rating is greater than or equal to 7.5.***

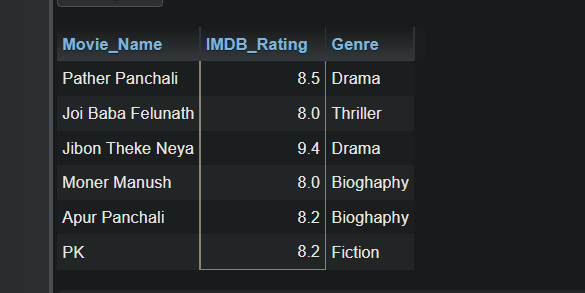
***Query-4: Find the name ,number of films and number of awards of the director who directed the most number of movies.***

***Query-5: Find the name, current age, number of films and number of awards of the youngest actor.***

***Query-1: Display the name, IMDb rating and genre of all the movies with an IMDb rating greater than or equal to 8.0.***

***SQL:*** *SELECT Movie\_Name,IMDB\_Rating,Genre FROM movie WHERE IMDB\_Rating>=8.0;*

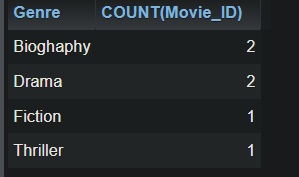
***Output:***

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***Query-2:*** *Find how many movies are there in each genre with an IMDb rating greater than or equal to 8.0.*

***SQL****: SELECT Genre, COUNT(Movie\_ID) FROM movie WHERE IMDB\_Rating>=8.0 GROUP BY Genre ;*

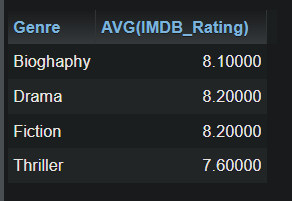
**Output:**

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**Query-3:***Find the name and average IMDb rating of those genre whose average IMDB rating is greater than or equal to 7.5.*

***SQL:*** *SELECT Genre,AVG(IMDB\_Rating) FROM movie GROUP BY Genre HAVING AVG(IMDB\_Rating)>=7.5;*

***Output:***

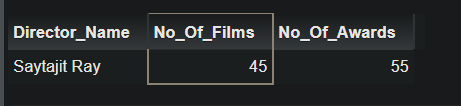
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***Query-4:*** *Find the name ,number of films and number of awards of the director who directed the most number of movies.*

***SQL:***

*SELECT Director\_Name,No\_Of\_Films,No\_Of\_Awards FROM director WHERE No\_Of\_Films=(SELECT MAX(No\_Of\_Films) FROM director);*

***Output:***

******

***Query-5:*** *Find the name, current age, number of films and number of awards of the youngest actor.*

***SQL:***[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) Actor\_Name,(Year([CURRENT\_DATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html%23function_current_date))-Birth\_Year) AS AGE,No\_Of\_Films,No\_Of\_Awards FROM actor WHERE Birth\_Year=([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(Birth\_Year) FROM actor); ***Level-2***

***Query-6:*** *Find the name ,number of films as a director, number of films as an actor , number of award as a director and number of awards as an actor of all the directors.( if a director never acted in any film then number of films and number of awards as an actor will be null)*

***Query-7:*** *Find the name, number of films as a director , number of films as an actor, number of awards as director and number of awards as an actor of all the actors and directors.*

***Query-8:*** *Find the name, number of films and the number of awards of those actors who never directed any film.*

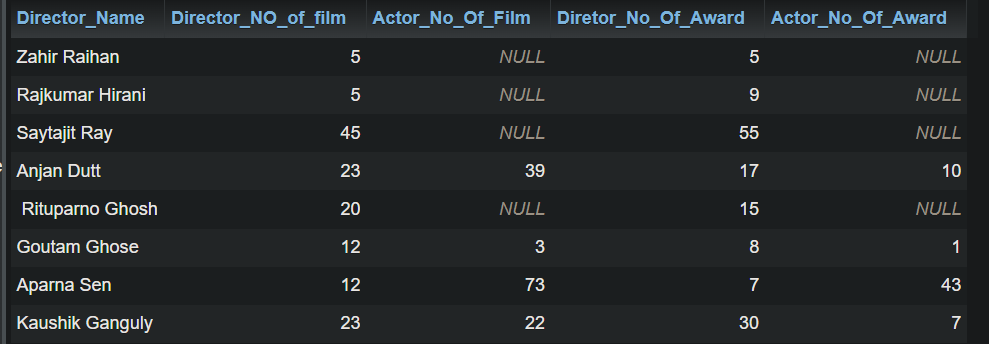
***Query-9****: Find the name, IMDb rating and genre of those movies whose IMDb rating is above average.*

***Query-10:*** *Among all the movie genres, find the highest average IMDb rating.*

***Query-6:*** *Find the name ,number of films as a director, number of films as an actor , number of award as a director and number of awards as an actor of all the directors.( if a director never acted in any film then number of films and number of awards as an actor will be null)*

***SQL:*** *SELECT director.Director\_Name,director.No\_Of\_Films AS Director\_NO\_of\_film,actor.No\_Of\_Films AS Actor\_No\_Of\_Film,director.No\_Of\_Awards AS Diretor\_No\_Of\_Award,actor.No\_Of\_Awards AS Actor\_No\_Of\_Award FROM director LEFT JOIN actor ON director.Person\_ID=actor.Person\_ID;*

***Output:***

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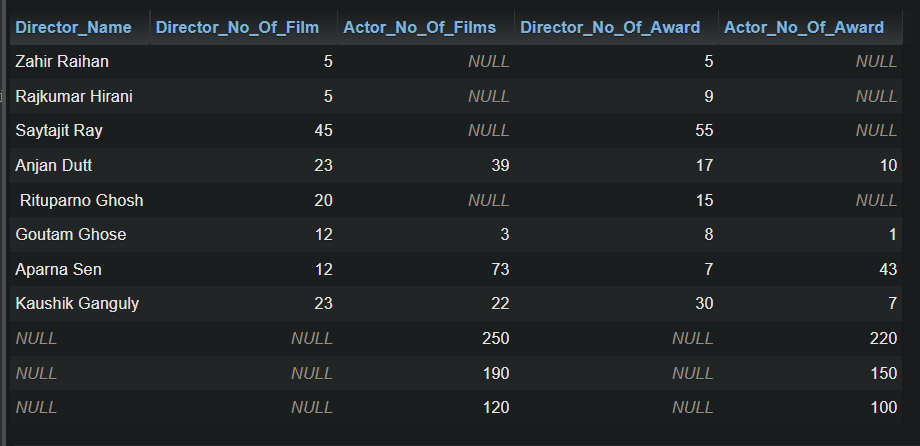
**Query-7:**Find the name, number of films as a director, number of films as an actor, number of awards as a director and number of awards as an actor of all the actor and directors.

**SQL:***(SELECT Director\_Name,director.No\_Of\_Films AS Director\_No\_Of\_Film,actor.No\_Of\_Films AS Actor\_No\_Of\_Films,director.No\_Of\_Awards AS Director\_No\_Of\_Award,actor.No\_Of\_Awards AS Actor\_No\_Of\_Award FROM director LEFT JOIN actor ON director.Person\_ID=actor.Person\_ID)*

*UNION*

*(SELECT Director\_Name,director.No\_Of\_Films AS Director\_No\_Of\_Film,actor.No\_Of\_Films AS Actor\_No\_Of\_Films,director.No\_Of\_Awards AS Director\_No\_Of\_Award,actor.No\_Of\_Awards AS Actor\_No\_Of\_Award FROM director RIGHT JOIN actor ON director.Person\_ID=actor.Person\_ID);*

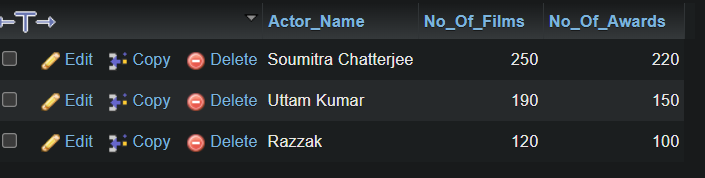
**Ouput:**

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***Query-8:*** *Find the name, number of films and number of awards of those actors who never directed any film.*

***SQL:*** *SELECT Actor\_Name,actor.No\_Of\_Films,actor.No\_Of\_Awards FROM actor WHERE actor.Person\_ID NOT IN (SELECT Person\_ID FROM director);*

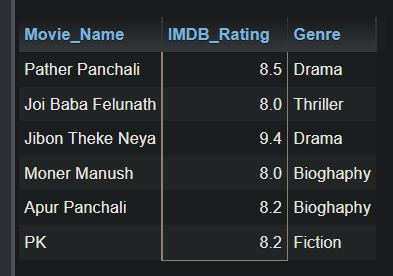
***Output:***

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***Query-9:*** *Find the name, IMDb rating and genre of those movies whose IMDb rating is above average.*

***SQL:*** *SELECT Movie\_Name,IMDB\_Rating,Genre FROM movie WHERE IMDB\_Rating>(SELECT AVG(IMDB\_Rating) FROM movie);*

*Output:*

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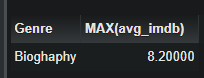
***Query-10:*** *Among all the movie genres, find the highest average IMDb rating.*

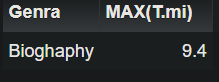
***SQL:*** *SELECT Genre, MAX(avg\_imdb) FROM (SELECT Genre, AVG(movie.IMDB\_Rating) AS avg\_imdb FROM movie GROUP BY movie.Genre) AS maxavimdb;*

*Or,*

*SELECT t.Genra,MAX(t.mi) FROM (SELECT Genra,AVG(IMDB\_Rating) AS mi FROM movie GROUP BY Genra) AS t;*

***Ouput:***

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