Consider the Table: **films**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Id** | **title** | **release\_year** | **budget** | **gross** | **imdb\_score** |
| 1 | The Godfather | 1972 | 6000000 | 134821952 | 9.2 |
| 2 | The Dark Knight | 2008 | 185000000 | 533316061 | 9 |
| 3 | The Godfather: Part II | 1974 | 13000000 | 57300000 | 9 |
| 4 | Schindler's List | 1993 | 22000000 | 96067179 | 8.9 |
| 5 | Pulp Fiction | 1994 | 8000000 | 107930000 | 8.9 |
| 6 | The Lord of the Rings: The Return of the King | 2003 | 94000000 | 377019252 | 8.9 |
| 7 | Fight Club | 1999 | 63000000 | 37023395 | 8.8 |
| 8 | Inception | 2010 | 160000000 | 292568851 | 8.8 |
| 9 | Star Wars: Episode V - The Empire Strikes Back | 1980 | 18000000 | 290158751 | 8.8 |
| 10 | The Shawshank Redemption | 1994 | 25000000 | 28341469 | 9.3 |

1) Display the movies stored in the table?

**SELECT title FROM films;**

2) What are the movies to be released in 2010?

**SELECT title, release\_year FROM films WHERE release\_year = 2010;**

3) Calculate the profit made by each movie in the ‘films’ table.

**SELECT title, (gross - budget) AS movie\_profit FROM films;**

4) What are the movies to be released in 2010 and have a rating higher than 9?

**SELECT title, release\_year, imdb\_score FROM films WHERE release\_year = 2010 AND imdb\_score >= 9;**

5) What are the movies to be released in 2010 or have a rating higher than 9?

**SELECT title, release\_year, imdb\_score FROM films WHERE release\_year = 2010 OR imdb\_score >= 9;**

6) What are the movies that have a release year other than 2010?

**SELECT title, release\_year FROM films WHERE NOT release\_year = 2010;**

7) What are the movies stored in the table? Sort it in descending order of release\_year.

**SELECT title, release\_year FROM films ORDER BY release\_year DESC;**

8) What are the top 5 latest movies stored in the table?

**SELECT title, release\_year FROM films ORDER BY release\_year DESC LIMIT 5;**

9) Add an entry for ‘The Godfather: Part III’ into the table with the details: (‘The Godfather: Part III’, 1990, 54000000, 136900000, 7.6)

**INSERT INTO films (title, release\_year, budget, gross, imdb\_score)VALUES (‘The Godfather: Part III’, 1970, 54000000, 136900000, 7.6);**

10) Correct the release\_year for ‘The Godfather: Part III’ to be 1990 instead of 1970

**UPDATE films SET release\_year = 1990 WHERE title = ‘The Godfather: Part III’;**

11) Delete the entry for ‘The Godfather: Part III’ from the ‘films’ table.

**DELETE FROM films WHERE title = ‘The Godfather: Part III’;**

12) Retrieve all the names of the movie starting with ‘The’

**Select \* FROM films WHERE title LIKE ‘The%’;**

13) What is the latest movie stored in the table?

**SELECT title AS latest\_movie,release\_year FROM films WHERE release\_year=(select MAX(release\_year) FROM films);**

14) Count the number of movies released in a year.

**SELECT release\_year, COUNT(\*) AS number\_of\_movies FROM films GROUP BY release\_year;**

Consider another table: **movieDirectors**

|  |  |  |
| --- | --- | --- |
|  | **title** | **Director** |
| 1 | The Godfather | Francis Ford Coppola |
| 2 | The Godfather: Part II | Francis Ford Coppola |
| 3 | The Godfather: Part III | Francis Ford Coppola |
| 4 | Schindler's List | Steven Spielberg |
| 5 | The Dark Knight Rises | Christopher Nolan |

15) Add a column to the ‘films’ table, populating it with the director’s name from the ‘movieDirectors’ table.

**Select films.title, films.release\_year, movieDirectors.director FROM films INNER JOIN movieDirectors ON films.title = movieDirectors.title;**

16) Determine the average profitability of the movies in the table ‘films’.

**SELECT AVG(gross - budget) AS average\_profit FROM films where gross > budget;**

17) Display the films which are not released in 1994,1993,1999.

**SELECT \* FROM films WHERE release\_year NOT IN (1994, 1993, 1999);**

18) Display films that have imdb score greater than and equal to 9.

**SELECT \* FROM films HAVING imdb\_score>=9;**

19) Grant user with insert privilege on films table.

**GRANT INSERT ON films TO 'abcuser'@'localhost';**