SQL exercises: Sakila

1. Show the first and last names of all of the actors.

2. Show the first and last name of each actor in a single column, in capital letters. Rename the column "Actor's name".

3. Display the ID, first and last name of an actor, knowing that his name is "Joe".

4. Display the actors whose last name contains "GEN".

5. Display the actors whose last name contains "LI". Sort the rows by last name and first name (in that order).

6. Using the IN function, display the first and last name of all customers named "Terry", "Jessie" or "Alice".

7. Display the last name of each actor and the number of actors who have the same last name.

8. Show each actor's last name and the number of actors who have that last name, but only if there are at least two actors that have it.

9. Using JOIN, display the first name, last name and address of each staff member.

10. Show the total collected by each employee during August 2022.

11. Show the number of actors for each film.

12. How many copies of the movie "Hunchback Impossible" are inventoried in the system?

13. Show the total amount of money paid by each customer, if any. Sort the results by last name in ascending order.

14. Show the name and email address of all Canadian customers.

15. Identify all family movies.

16. Show the most rented movies in descending order.

17. Show the money collected by each store.

18. Get the list of actors with an x in the first name or last name.

19. Get the California addresses that have '274' in the phone number.

20. Find out the 'Epic' or 'Brilliant' movies that are longer than 180 minutes.

21. Find out the movies that are between 100 and 120 minutes long or between 50 and 70 minutes long.

22. Find out what movies cost 0.99, 2.99, have a 'g' or 'r' rating and are about crocodiles.

23. Which actors have the first name 'Scarlett'

24. Which actors have the last name 'Johansson'

25. How many distinct actors last names are there?

26. Which last names are not repeated?

27. Which last names appear more than once?

28. Which actor has appeared in the most films?

29. Is 'Academy Dinosaur' available for rent from Store 1?

30. Insert a record to represent Mary Smith renting 'Academy Dinosaur' from Mike Hillyer at Store 1 today .

31. When is 'Academy Dinosaur' due?

32. What is that average running time of all the films in the sakila DB?

33. What is the average running time of films by category?

34. Why does this query return the empty set?
    select * from film natural join inventory;

35. What are the names of all the languages in the database (sorted alphabetically)?

36. Return the full names (first and last) of actors with "SON" in their last name, ordered by their first name.

37. Find all the addresses where the second address is not empty (i.e., contains some text), and return these second addresses sorted.

38. Return the first and last names of actors who played in a film involving a "Crocodile" and a "Shark", along with the release year of the movie, sorted by the actors' last names. 5. How many films involve a "Crocodile" and a "Shark"?

39. Find all the film categories in which there are between 55 and 65 films. Return the names of these categories and the number of films per category, sorted by the number of films.

40. In how many film categories is the average difference between the film replacement cost and the rental rate larger than 17?

41. Find the address district(s) name(s) such that the minimal postal code in the district(s) is maximal over all the districts. Make sure your query ignores empty postal codes and district names.

42. Find the names (first and last) of all the actors and costumers whose first name is the same as the first name of the actor with ID 8Do not return the actor with ID 8 himself. Note that you cannot use the name of the actor with ID 8 as a constant

(only the ID). There is more than one way to solve this question, but you need to provide only one solution.

43. Find the actors who played a role in the movie 'Annie Hall'. Return all the fields of actor table.

44. Find the director who directed a movie that casted a role for 'Eyes Wide Shut'. Return director first name, last name.

45. Find those movies, which released in the country besides UK. Return movie title, movie year, movie time, date of release, releasing country.

46. Find those movies where reviewer is unknown. Return movie title, year, release date, director first name, last name, actor first name, last name.

47. Find those movies directed by the director whose first name is 'Woddy' and last name is 'Allen'. Return movie title.

48. Find those years, which produced at least one movie and that, received a rating of more than three stars. Sort the result-set in ascending order by movie year. Return movie year.

49. Find those movies, which have no ratings. Return movie title.

50. Find those reviewers who have rated nothing for some movies. Return reviewer name.

51. Find those movies, which reviewed by a reviewer and got a rating. Sort the result-set in ascending order by reviewer name, movie title, review Stars. Return reviewer name, movie title, review Stars

52. Find those reviewers who rated more than one movie. Group the result set on reviewer's name, movie title. Return reviewer's name, movie title

53. Find those movies, which have received highest number of stars. Group the result set on movie title and sorts the result-set in ascending order by movie title. Return movie title and maximum number of review stars

54. Find all reviewers who rated the movie 'American Beauty'. Return reviewer name

55. Find the movies, which have reviewed by any reviewer body except by 'Paul Monks'. Return movie title

56. Find the lowest rated movies. Return reviewer name, movie title, and number of stars for those movies

57. Find the movies directed by 'James Cameron'. Return movie title.

58. Find the name of those movies where one or more actors acted in two or more movies

59. Find the name of all reviewers who have rated their ratings with a NULL value. Return reviewer name

60. Find the actors who were cast in the movie 'Annie Hall'. Return actor first name, last name and role

61. Find the director who directed a movie that casted a role for 'Eyes Wide Shut'. Return director first name, last name and movie title.

62. Find who directed a movie that casted a role as 'Sean Maguire'. Return director first name, last name and movie title.

63. Find the actors who have not acted in any movie between 1990 and 2000 (Begin and end values are included). Return actor first name, last name, movie title and release year.

64. Find the directors with number of genres movies. Group the result set on director first name, last name and generic title. Sort the result-set in ascending order by director first name and last name. Return director first name, last name and number of genres movies.

65. Find the movies with year and genres. Return movie title, movie year and generic title

66. Find all the movies with year, genres, and name of the director

67. Find the movies released before 1st January 1989. Sort the result-set in descending order by date of release. Return movie title, release year, date of release, duration, and first and last name of the director

68. Compute the average time and count number of movies for each genre. Return genre title, average time and number of movies for each genre

69. Find movies with the lowest duration. Return movie title, movie year, director first name, last name, actor first name, last name and role

70. Find those years when a movie received a rating of 3 or 4. Sort the result in increasing order on movie year. Return move year.

71. Get the reviewer name, movie title, and stars in an order that reviewer name will come first, then by movie title, and lastly by number of stars

72. Find those movies that have at least one rating and received highest number of stars. Sort the result-set on movie title. Return movie title and maximum review stars

73. Find those movies, which have received ratings. Return movie title, director first name, director last name and review stars.

74. Find the movie title, actor first and last name, and the role for those movies where one or more actors acted in two or more movies
75. Find the actor whose first name is 'Claire' and last name is 'Danes'. Return director first name, last name, movie title, actor first name and last name, role
76. Find those actors who have directed their movies. Return actor first name, last name, movie title and role
77. Find the cast list of the movie 'Chinatown'. Return first name, last name.
78. Find those movies where actor's first name is 'Harrison' and last name is 'Ford'. Return movie title
79. Find the highest-rated movies. Return movie title, movie year, review stars and releasing country
80. Find the highest-rated 'Mystery Movies'. Return the title, year, and rating.
81. Find the years when most of the 'Mystery Movies' produced. Count the number of generic title and compute their average rating. Group the result set on movie release year, generic title. Return movie year, generic title, number of generic title and average rating
82. Generate a report, which contain the fields movie title, name of the female actor, year of the movie, role, movie genres, the director, date of release, and rating of that movie

More queries:

https://gist.github.com/tomsihap/cd9cbd35a3681c260a95653ca8d4e6bb

https://github.com/adesai25/MySQL-Exercises-with-Sakila-DB-