1. Create schema sem\_1
2. Create a table sem\_1.movies with the following fields and run insert operations (from a separate file)
   1. title (movie title)
   2. release\_year (year of release)
   3. duration\_min (duration in minutes)
   4. genre
   5. rating
   6. director
   7. star\_1 (1st main actor)
   8. star\_2 (2nd main actor)
3. View metadata about the table and columns in information\_schema.tables and information\_schema.columns
4. Print all table contents.
5. Print all the names of the films and their year of release.
6. Print all directors appearing in the table.
7. What year was 'Fight Club' filmed? Display only the year.
8. List all 'Christopher Nolan' movies, year and rating.
9. Print all movies in which 'Christian Bale' played a leading role.
10. Find all comedies less than 2 hours long and with a rating of at least 8.5. Display movie name, year, duration, genre, rating.
11. Print all movies made before 2010 that starred 'Leonardo DiCaprio' or 'Tom Hanks'. Display the name of the film, year, two main characters.
12. Display all films of the 'Drama' genre. Consider where the data in the genre column lies.
13. Print all actors whose names are Jack, Sam or John (only possible for star\_1).
14. Print all movie titles that contain either the number 3 or the number 7.
15. Find number of films, number of different directors, earliest and latest year of release.
16. For each director, print the number of his films. Sort by descending number of films.
17. How many hours will it take to watch all the 'Quentin Tarantino' films?
18. Print all the actors who were the 1st main actor in more than 3 films,

and the number of such films, respectively

1. Find all the directors of the 21st century (the first film was made after 2000). Display the director and year of the first film
2. Display the movie with the highest rating
3. For each director, print his earliest film (if the years are equal, display the one with the highest rating). Display the columns director, film title, year, rating.
4. Find the number and average rating of films for two categories: films of the 20th and 21st centuries. Round to two decimal places.

Now we work with operations (bank transactions)

1. Create a table with operations with the following fields and fill it.
   1. operation\_id (Operation ID)
   2. operation\_dt (operation date)
   3. client\_rk (client id)
   4. operation\_amt (operation amount)
2. How to find the amount of transactions for the last month for each client? (if today is February 2, then operations are counted from January 2)
3. How to find for each client the average amount of transactions for the current month (if today is February 2, then only for February)?
4. How to find the amount of payments in each quarter?