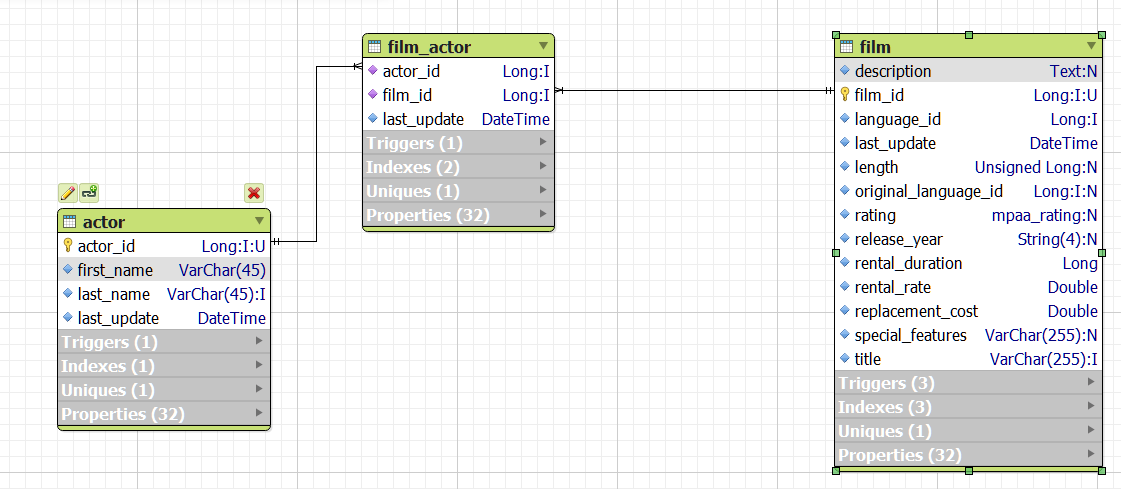
**Assignment 3**

Based on the readings, lecture slides, and materials in the Module 2, answer the below questions and submit via blackboard in a .docx or .pdf format.

To perform this assignment, you will need to use the “Sakila” database that is pre-installed, just like we did in Module 1. Below is the first Entity Relationship Diagram (ERD) that we are going to use in this course. Note that there is a much larger diagram for this database, but for the sake of this assignment we’re going to start here to build foundational principles.



Within this database, you will be using the film, film\_actor, and actor tables this assignment. Based on assignment readings and slides, perform each of the following queries from the fil table.

**Guided Queries: For the 5 following questions, your submission will be the query that you would write that would return the needed result**

1. Write a query that returns all columns from the film\_actor table.

As in the diagram, the film\_actor table has only three columns as actor\_id, film\_id & last\_update.

Therefore, to get only that three columns, below will be the query.

**Select \***

**From film\_actor**

Table

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1. Write a query that returns all columns from the film\_actor and film table.

All columns relevant to both tables will be returned here

**Select \***

**From film JOIN film\_actor ON film\_actor.film\_id = film.film\_id**

Graphical user interface

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1. Write a query that returns all columns from the actor and film\_actor table.

All columns relevant to both tables will be returned here

**Select \***

**From Actor JOIN film\_actor ON actor.actor\_id = film\_actor.actor\_id**

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1. Write a query that returns all columns from the film, film\_actor, and actor table.

**Select \***

**From film\_actor**

**JOIN actor**

**ON actor.actor\_id = film\_actor.actor\_id**

**JOIN film**

**On film.film\_id = film\_actor.film\_id**

**A picture containing graphical user interface

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1. Write a query that returns the First\_Name and Last\_Name from the actor table, as well as the title of the film from the film table for all films.

**SELECT**

**actor.actor\_id, film.film\_id, first\_name, last\_name, title**

**From film\_actor**

**Join actor**

**on actor.actor\_id = film\_actor.actor\_id**

**Full Join film**

**On film.film\_id = film\_actor.film\_id**

**Table

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**Query Results: For the 5 following questions, your submission will be the output of the queries.**

1. Using the actor and film\_actor tables, determine how many films JENNIFER DAVIS has been in.

**There are 22 films of Jennifer Davis**

**Select**

**COUNT (\*)**

**From actor**

**Join film\_actor**

**on actor.actor\_id = film\_actor.actor\_id**

**where first\_name ='JENNIFER' AND last\_name ='DAVIS';**

**Graphical user interface, application

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1. Using the Film and Film\_Actor Table, determine how many actors are in the film ALABAMA DEVIL.

**There are 09 Actors in the film Alabama Devils**

**Select**

**count(\*)**

**FROM film\_actor**

**JOIN actor**

**ON actor.actor\_id = film\_actor.actor\_id**

**Join film**

**on film.film\_id = film\_actor.film\_id**

**where title ='ALABAMA DEVIL';**

**Graphical user interface, application

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1. What are the title of the films the actress EMILY DEE has been in?

**There are 14 films actor Emily Dee has been in as in below screenshot**

**Select actor.actor\_id, first\_name, last\_name, film.film\_id,title**

**From film\_actor**

**Join film**

**on film.film\_id = film\_actor.film\_id**

**Join actor**

**on actor.actor\_id = film\_actor.actor\_id**

**where first\_name ='EMILY' AND last\_name ='DEE';**

**Table

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1. Who are the actors in the Film GO PURPLE?

**The actors of Film GO PURPLE are as Sean Guiness, Salma Nolte & Gene McKellen**

**Select actor.actor\_id, first\_name, last\_name, film.film\_id, title**

**FROM film\_actor**

**JOIN actor**

**ON actor.actor\_id = film\_actor.actor\_id**

**Join film**

**on film.film\_id = film\_actor.film\_id**

**where title ='GO PURPLE';**

**Table

Description automatically generated**

1. How many actors have been in R rated films?

**199 actors have been in R rated films**

**Select \***

**FROM actor**

**Full JOIN film\_actor**

**ON actor.actor\_id = film\_actor.actor\_id**

**Full Join film**

**on film.film\_id = film\_actor.actor\_id**

**where rating ='R';**