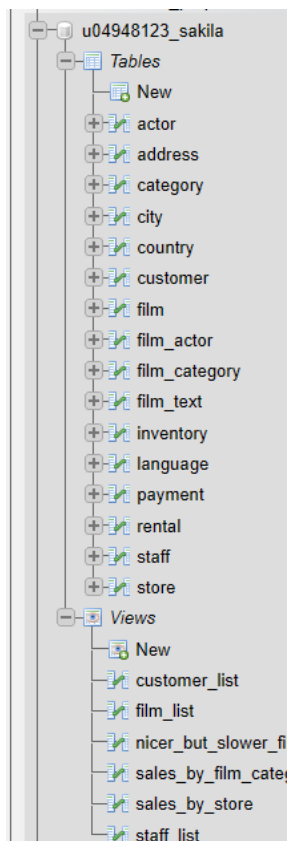Milan Kruger

U04948123

Task 1

```
C:\Program Files\MariaDB 11.3\bin>mysql -u root -p u04948123_sakila < sakila-data.sql
Enter password: *********************
```

```
C:\Program Files\MariaDB 11.3\bin>mysql -u root -p sakila_schema < sakila-schema.sql
Enter password: *********************
```
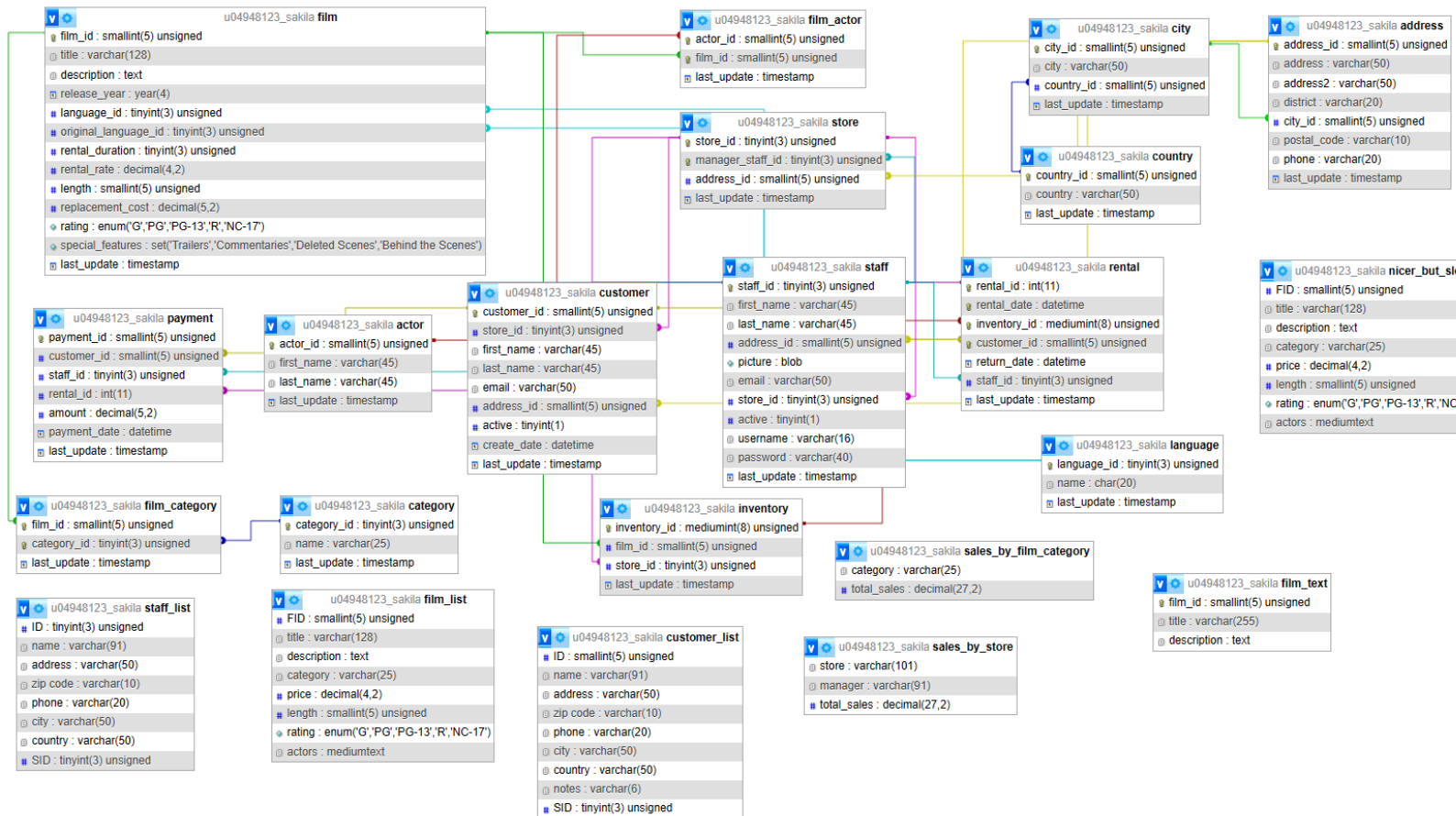
Task 2

Software : XAMMP phpMyAdmin

Task 3

3.1)

u04948123_sakila film
- film_id : smallint(5) unsigned
- title : varchar(128)
- description : text
- release_year : year(4)
- language_id : tinyint(3) unsigned
- original_language_id : tinyint(3) unsigned
- rental_duration : tinyint(3) unsigned
- rental_rate : decimal(4,2)
- length : smallint(5) unsigned
- replacement_cost : decimal(5,2)
- rating : enum('G','PG','PG-13','R','NC-17')
- special_features : set('Trailers','Commentaries','Deleted Scenes','Behind the Scenes')
- last_update : timestamp

u04948123_sakila film_actor
- actor_id : smallint(5) unsigned
- film_id : smallint(5) unsigned
- last_update : timestamp

u04948123_sakila city
- city_id : smallint(5) unsigned
- city : varchar(50)
- country_id : smallint(5) unsigned
- last_update : timestamp

u04948123_sakila address
- address_id : smallint(5) unsigned
- address : varchar(50)
- address2 : varchar(50)
- district : varchar(20)
- city_id : smallint(5) unsigned
- postal_code : varchar(10)
- phone : varchar(20)
- last_update : timestamp

u04948123_sakila store
- store_id : tinyint(3) unsigned
- manager_staff_id : tinyint(3) unsigned
- address_id : smallint(5) unsigned
- last_update : timestamp

u04948123_sakila country
- country_id : smallint(5) unsigned
- country : varchar(50)
- last_update : timestamp

u04948123_sakila payment
- payment_id : smallint(5) unsigned
- customer_id : smallint(5) unsigned
- staff_id : tinyint(3) unsigned
- rental_id : int(11)
- amount : decimal(5,2)
- payment_date : datetime
- last_update : timestamp

u04948123_sakila actor
- actor_id : smallint(5) unsigned
- first_name : varchar(45)
- last_name : varchar(45)
- last_update : timestamp

u04948123_sakila customer
- customer_id : smallint(5) unsigned
- store_id : tinyint(3) unsigned
- first_name : varchar(45)
- last_name : varchar(45)
- email : varchar(50)
- address_id : smallint(5) unsigned
- active : tinyint(1)
- create_date : datetime
- last_update : timestamp

u04948123_sakila staff
- staff_id : tinyint(3) unsigned
- first_name : varchar(45)
- last_name : varchar(45)
- address_id : smallint(5) unsigned
- picture : blob
- email : varchar(50)
- store_id : tinyint(3) unsigned
- active : tinyint(1)
- username : varchar(16)
- password : varchar(40)
- last_update : timestamp

u04948123_sakila rental
- rental_id : int(11)
- rental_date : datetime
- inventory_id : mediumint(8) unsigned
- customer_id : smallint(5) unsigned
- return_date : datetime
- staff_id : tinyint(3) unsigned
- last_update : timestamp

u04948123_sakila nicer_but_sl...
- FID : smallint(5) unsigned
- title : varchar(128)
- description : text
- category : varchar(25)
- price : decimal(4,2)
- length : smallint(5) unsigned
- rating : enum('G','PG','PG-13','R','NC...
- actors : mediumtext

u04948123_sakila language
- language_id : tinyint(3) unsigned
- name : char(20)
- last_update : timestamp

u04948123_sakila film_category
- film_id : smallint(5) unsigned
- category_id : tinyint(3) unsigned
- last_update : timestamp

u04948123_sakila category
- category_id : tinyint(3) unsigned
- name : varchar(25)
- last_update : timestamp

u04948123_sakila inventory
- inventory_id : mediumint(8) unsigned
- film_id : smallint(5) unsigned
- store_id : tinyint(3) unsigned
- last_update : timestamp

u04948123_sakila sales_by_film_category
- category : varchar(25)
- total_sales : decimal(27,2)

u04948123_sakila film_text
- film_id : smallint(5) unsigned
- title : varchar(255)
- description : text

u04948123_sakila staff_list
- ID : tinyint(3) unsigned
- name : varchar(91)
- address : varchar(50)
- zip code : varchar(10)
- phone : varchar(20)
- city : varchar(50)
- country : varchar(50)
- SID : tinyint(3) unsigned

u04948123_sakila film_list
- FID : smallint(5) unsigned
- title : varchar(128)
- description : text
- category : varchar(25)
- price : decimal(4,2)
- length : smallint(5) unsigned
- rating : enum('G','PG','PG-13','R','NC-17')
- actors : mediumtext

u04948123_sakila customer_list
- ID : smallint(5) unsigned
- name : varchar(91)
- address : varchar(50)
- zip code : varchar(10)
- phone : varchar(20)
- city : varchar(50)
- country : varchar(50)
- notes : varchar(6)
- SID : tinyint(3) unsigned

u04948123_sakila sales_by_store
- store : varchar(101)
- manager : varchar(91)
- total_sales : decimal(27,2)

3.2)

	Browse	Structure	SQL	Search	Insert	Export	Import	Privileges	Operations	Triggers

Table structure	Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	inventory_id 🔑	mediumint(8)		UNSIGNED	No	None		AUTO_INCREMENT	🖉 Change	⊝ Drop	More
2	film_id 🔑	smallint(5)		UNSIGNED	No	None			🖉 Change	⊝ Drop	More
3	store_id 🔑	tinyint(3)		UNSIGNED	No	None			🖉 Change	⊝ Drop	More
4	last_update	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	🖉 Change	⊝ Drop	More

↑ ☐ Check all With selected: 🗌 Browse 🖉 Change ⊝ Drop 🔑 Primary Ⓤ Unique Index Spatial T Fulltext

🖨 Print 📇 Propose table structure ⓘ ↔ Move columns 🖉 Normalize

Add [1] column(s) [after last_update ▾] [Go]

Indexes ⓘ

Action				Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
🖉 Edit	⊡ Rename	⊝ Drop		PRIMARY	BTREE	Yes	No	inventory_id	4581	A	No	
🖉 Edit	⊡ Rename	⊝ Drop		idx_fk_film_id	BTREE	No	No	film_id	1145	A	No	
🖉 Edit	⊡ Rename	⊝ Drop		idx_store_id_film_id	BTREE	No	No	store_id	2	A	No	
								film_id	1527	A	No	

u04948123_sakila **rental**
- 🔑 rental_id : int(11)
- rental_date : datetime
- 🔑 inventory_id : mediumint(8) unsigned
- 🔑 customer_id : smallint(5) unsigned
- return_date : datetime
- # staff_id : tinyint(3) unsigned
- last_update : timestamp

u04948123_sakila **film**
- 🔑 film_id : smallint(5) unsigned
- title : varchar(128)
- description : text
- release_year : year(4)
- # language_id : tinyint(3) unsigned
- # original_language_id : tinyint(3) unsigned
- # rental_duration : tinyint(3) unsigned
- # rental_rate : decimal(4,2)
- # length : smallint(5) unsigned
- # replacement_cost : decimal(5,2)
- rating : enum('G','PG','PG-13','R','NC-17')
- special_features : set('Trailers','Commentaries','Deleted Scenes','Behind the Scenes')
- last_update : timestamp

u04948123_sakila **inventory**
- 🔑 inventory_id : mediumint(8) unsigned
- # film_id : smallint(5) unsigned
- # store_id : tinyint(3) unsigned
- last_update : timestamp

u04948123_sakila **store**
- 🔑 store_id : tinyint(3) unsigned
- 🔑 manager_staff_id : tinyint(3) unsigned
- # address_id : smallint(5) unsigned
- last_update : timestamp