Relational Databases with MySQL Week 9 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: Using a text editor of your choice, write the queries that accomplishes the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document to the repository. Additionally, push an .sql file with all your queries and your ERD to the same repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

You have been asked to create a database for a new social media application that your company is developing.

The database must store user data such as username, email, password, etc...

Users are able to post and comment. So, your database must also store post and comment data.

We need to know which user made which posts.

We also need to know which user made which comments, and which post a comment is on.

Posts and comments should both include the time they were created, and what the content of the post or comment is.

Create an Entity Relationship Diagram (ERD) using draw.io to model the database you will create. Insert a screenshot of the ERD in the screenshots section below.

Write a SQL script to create the database. Insert a screenshot of the SQL in your script.

Hints:

You will only need three tables.

Two tables will have foreign key references.

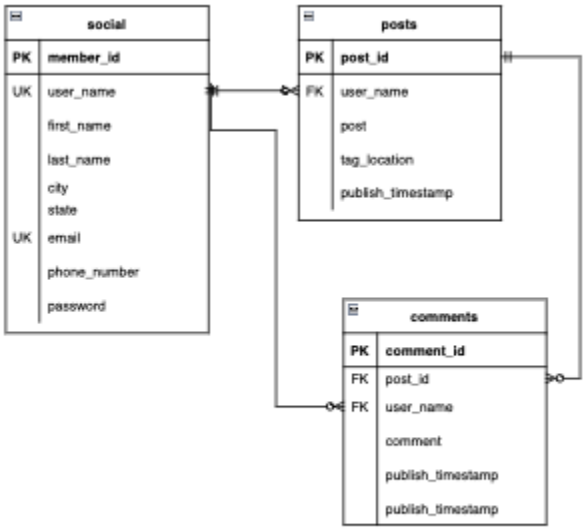
One table will have two foreign key references.

Screenshots:

```
1  Create database if  not exists newSocialMediaCompany;
2
3  use newSocialMediaCompany;
4
5  drop table if exists social;
6  drop table if exists posts;
7  drop table if exists comments;
8
9  create table social (
10 member_id int(15) not null auto_increment,
11 user_name varchar(26) not null,
12 first_name varchar(26) not null,
13 last_name varchar(26) not null,
14 city varchar(25),
15 state varchar(2) not null,
16 email varchar(20) not null,
17 phone_number varchar(11),
18 social_password varchar(40) not null,
19 primary key (id),
20 unique key (user_name),
21 unique key (email)
100%  1:1
```

```sql
create table posts (
post_id int(15) not null auto_increment,
user_name varchar(26) not null,
post text(200),
tag_location text(100),
publish_timestamp datetime default current_timestamp,
primary key(post_id),
foreign key (user_name) references social(user_name)
);

create  table comments (
comment_id int(15) not null auto_increment,
post_id int(15) not null,
user_name varchar(26) not null,
comment varchar(200) not null,
publish_timestamp datetime default current_timestamp,
primary key (comment_id),
foreign key (post_id) references posts(post_id),
foreign key (user_name) references social(user_name)
);
```



URL to GitHub Repository: https://github.com/cperrine19/Week9MySQL