Relational Databases with MySQL Week 3 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.

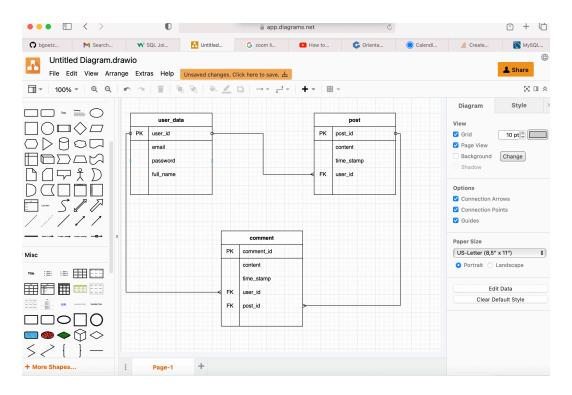
Hints:

You will only need three tables.

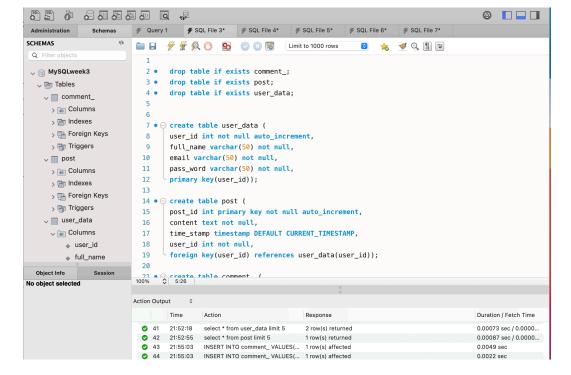
Two tables will have foreign key references.

One table will have two foreign key references.

Screenshots:



ERD diagram



Workbench

```
MySQL Workbench
   ★ Local instance 3306
SCHEMAS
                     🚞 🔒 🥖 🖟 👰 🕐 🚷 🥝 🛇 🔞 Limit to 1000 rows 🔞 埃 🥩 🝳 🕦 🖃
                       13
    > 强 Foreign Keys
                       14 • ⊝ create table post (
                       post_id int primary key not null auto_increment,
content text not null,
time_stamp timestamp DEFAULT CURRENT_TIMESTAMP,
    > 👣 Triggers
   √ ■ post
    > lolumns
                       user_id int not null,
foreign key(user_id) references user_data(user_id));
    > 🛅 Indexes
    > 🚰 Foreign Keys
                       20
    > 👣 Triggers
                       21 • ⊝ create table comment_ (
                           comment_id int primary key not null auto_increment, content text not null,
   22
    V S Columns
                       23
                           time_stamp timestamp DEFAULT CURRENT_TIMESTAMP, user_id int not null,
                       24
                       25
       full_name
                       26
                           post_id int not null,
       email
                       27
                             foreign key(user_id) references user_data(user_id),
       pass_word
                           foreign key(post_id) references post(post_id)
);
                       28
     > Em Indexes
                       29
     > 🛅 Foreign Keys
                       30
     > 🦙 Triggers
                       31
                       32
  Object Info Session 32
```

Workbench

URL to GitHub Repository:

https://github.com/bgoetz22/week6JAVA/commit/dddfc98a2cb0fc74c6509bac3f32a21904dd68dd