Database creation and required table structure

```
-- Create Database
CREATE DATABASE SocialMediaDB;
USE SocialMediaDB;
-- Users Table
CREATE TABLE Users (
  user_id INT PRIMARY KEY,
  username VARCHAR(50) NOT NULL UNIQUE,
  email VARCHAR(100) NOT NULL UNIQUE,
 join_date DATE NOT NULL
);
-- Posts Table
CREATE TABLE Posts (
  post_id INT PRIMARY KEY,
  user_id INT,
  content TEXT NOT NULL,
  post_date DATETIME NOT NULL,
  FOREIGN KEY (user_id) REFERENCES Users(user_id)
);
-- Likes Table
CREATE TABLE Likes (
  like_id INT PRIMARY KEY,
  user_id INT,
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```
post_id INT,
  like_date DATETIME NOT NULL,
  FOREIGN KEY (user_id) REFERENCES Users(user_id),
  FOREIGN KEY (post id) REFERENCES Posts(post id)
);
-- Comments Table
CREATE TABLE Comments (
  comment_id INT PRIMARY KEY,
  post id INT,
  user_id INT,
  comment_text TEXT NOT NULL,
  comment date DATETIME NOT NULL,
  FOREIGN KEY (post_id) REFERENCES Posts(post_id),
  FOREIGN KEY (user_id) REFERENCES Users(user_id)
);
-- Friendships Table
CREATE TABLE Friendships (
  friendship_id INT PRIMARY KEY,
  user id1 INT,
  user_id2 INT,
  since_date DATE NOT NULL,
  FOREIGN KEY (user_id1) REFERENCES Users(user_id),
  FOREIGN KEY (user_id2) REFERENCES Users(user_id),
  CONSTRAINT chk_diff_users CHECK (user_id1 <> user_id2)
```

