Sql assignment on creating the social networking data base:

There are four tables used namely:

**1. Users**

1. userEmail (primary key)

2. userName

3.userPassword

4. userPhone

**2.FriendRequests**

1.userEmail (primary key, foreign key)

2.friendEmail (primary key, foreign key)

3.requestStatus

**3. UserPosts**

1.userEmail (primary key,foreign key)

2.postID (primary key)

3.userPost

4.userImage

**4.UserComments**

1.userEmail (foreign key)

2.postID (primary key)

3.userComments

**CREATING TABLES SYNTAX**

1.CREATE TABLE users (userEmail VARCHAR(255) NOT NULL,userName VARCHAR(255)

NULL,userPassword VARCHAR(255) NULL,userPhone VARCHAR(255) NULL,PRIMARY KEY (userEmail));

2.CREATE TABLE FriendRequests (userEmail VARCHAR(255) NOT NULL,friendEmail

VARCHAR(255) NOT NULL,requestStatus VARCHAR(255) NOT NULL,PRIMARY KEY

(userEmail,friendEmail) CONSTRAINT fk\_user FOREIGN KEY (userEmail,friendEmail) REFERENCES users(userEmail) );

3.CREATE TABLE UserPosts (userEmail VARCHAR(255) NOT NULL,postID VARCHAR(255)

NOT NULL,userPost TEXT NOT NULL,postImage TEXT NULL,PRIMARY KEY (userEmail,postID) CONSTRAINT fk\_user FOREIGN KEY (userEmail) REFERENCES users(userEmail) );

4.CREATE TABLE UserComments (userEmail VARCHAR(255) NOT NULL,postID

VARCHAR(255) NOT NULL,userComments TEXT NOT NULL,PRIMARY KEY (postID));

**INSERTING TABLES SYNTAX**

1.INSERT INTO users(userEmail,userName,userPassword,userPhone)VALUES(<{userEmail:

}>,<{userName: }>,<{userPassword: }>,<{userPhone: }>);

2.INSERT INTO userposts(userEmail,postID,userPost,postImage)VALUES(<{userEmail: }>,<{postID:

}>,<{userPost: }>,<{postImage: }>);

3.INSERT INTO usercomments(userEmail,postID,uesrComments)VALUES(<{userEmail: }>,<{postID: }>,<{uesrComments: }>);

4.INSERT INTO friendrequests(userEmail,friendEmail,requestStatus)VALUES(<{userEmail:

}>,<{friendEmail: }>,<{requestStatus: }>);

**RETRIEVE AND COUNT SYNTAX**

1.select \* from friendrequests where userEmail="";

2.select count(\*) from friendrequests where userEmail="";

3.select \* from userposts where userEmail="";

4.select count(\*) from userposts where userEmail="";

5.select userposts.userEmail,userposts.postID,userposts.userPost,usercomments.userComments

from usercomments,userposts where userposts.postID=usercomments.postID;

6.select count(\*) from usercomments,userposts where userposts.postID=usercomments.postID;