drop schema letstalk;

CREATE schema letstalk;

use letstalk;

CREATE TABLE userGroup

(group\_id CHAR(20),

Name CHAR(20) NOT NULL,

Group\_manager CHAR(20) NOT NULL,

Number\_of\_people INTEGER NOT NULL,

PRIMARY KEY(group\_id));

CREATE TABLE User\_birthday\_and\_age

(birthday CHAR(20),

age INTEGER,

PRIMARY KEY(birthday));

CREATE TABLE User

(user\_id CHAR(20),

name CHAR(20) NOT NULL,

headshot CHAR(20),

birthday CHAR(20),

gender CHAR(20),

password CHAR(20) NOT NULL,

PRIMARY KEY (user\_id),

FOREIGN KEY (birthday) REFERENCES User\_birthday\_and\_age(birthday)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE User\_In\_Group

(group\_id CHAR(20),

user\_id CHAR(20),

PRIMARY KEY(group\_id, user\_id),

FOREIGN KEY (group\_id) REFERENCES userGroup(group\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY (user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Emoji

(Emoji\_number CHAR(20),

PRIMARY KEY (Emoji\_number));

CREATE TABLE Own

(user\_id CHAR(20),

Emoji\_number CHAR(20),

PRIMARY KEY(user\_id, Emoji\_number),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(Emoji\_number) REFERENCES Emoji(Emoji\_number)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Interest

(Interest\_name CHAR(20),

Type CHAR(20),

PRIMARY KEY (Interest\_Name));

CREATE TABLE Has

(user\_id CHAR(20),

Interest\_name CHAR(20),

PRIMARY KEY(user\_id, Interest\_name),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(Interest\_name) REFERENCES Interest(Interest\_name)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Is\_Friend\_Of

(user\_id CHAR(20),

friend\_id CHAR(20),

PRIMARY KEY (user\_id, friend\_id),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(friend\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Photo\_Post\_photo\_and\_time

(Photo\_id CHAR(20),

time CHAR(20),

PRIMARY KEY (photo\_id));

CREATE TABLE Photo\_Post

(user\_id CHAR(20),

Photo\_id CHAR(20),

Text CHAR(20),

PRIMARY KEY(user\_id, photo\_id),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(photo\_id) REFERENCES Photo\_Post\_photo\_and\_time(photo\_id)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE EDT

(event\_number CHAR(20),

Date CHAR(20),

Time CHAR(20),

PRIMARY KEY(event\_number));

CREATE TABLE CommunicationEvent\_Take

(user\_id CHAR(20),

event\_number CHAR(20),

PRIMARY KEY(user\_id, event\_number),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(event\_number) REFERENCES EDT(event\_number)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Notification

(nid INTEGER,

Status CHAR(20),

Sound CHAR(20),

Visibility BOOLEAN NOT NULL,

PRIMARY KEY(nid));

CREATE TABLE Contain

(nid INTEGER,

User\_id CHAR(20),

event\_number CHAR(20),

PRIMARY KEY(nid, user\_id, event\_number),

FOREIGN KEY(user\_id, event\_number) REFERENCES CommunicationEvent\_Take(user\_id, event\_number)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(nid) REFERENCES Notification(nid)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE message

(message\_id CHAR(20),

Sender CHAR(20) NOT NULL,

Receiver CHAR(20) NOT NULL,

Read\_or\_unread BOOLEAN NOT NULL,

Word\_count INTEGER NOT NULL,

PRIMARY KEY(message\_id));

CREATE TABLE Text

(message\_id CHAR(20),

Word\_count INTEGER NOT NULL,

PRIMARY KEY(message\_id),

Foreign key (message\_id) references message(message\_id)

ON DELETE CASCADE

ON UPDATE CASCADE

);

CREATE TABLE Image

(message\_id CHAR(20),

Format CHAR(20) NOT NULL,

PRIMARY KEY(message\_id),

Foreign key (message\_id) references message(message\_id)

ON DELETE CASCADE

ON UPDATE CASCADE

);

CREATE TABLE Voice

(message\_id CHAR(20),

length INTEGER NOT NULL,

PRIMARY KEY(message\_id),

Foreign key (message\_id) references message(message\_id)

ON DELETE CASCADE

ON UPDATE CASCADE

);

CREATE TABLE Include

(message\_id CHAR(20),

User\_id CHAR(20),

Event\_number CHAR(20),

PRIMARY KEY(message\_id, user\_id, event\_number),

FOREIGN KEY(message\_id) REFERENCES message(message\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY(user\_id,event\_number) REFERENCES CommunicationEvent\_Take(user\_id, event\_number)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Use\_MessageManager

(manager\_id CHAR(20),

user\_id CHAR(20) NOT NULL,

number\_of\_message INTEGER NOT NULL,

PRIMARY KEY(manager\_id),

FOREIGN KEY(user\_id) REFERENCES User(user\_id)

ON DELETE CASCADE

ON UPDATE CASCADE);

CREATE TABLE Administrate

(message\_id CHAR(20),

manager\_id CHAR(20),

PRIMARY KEY(message\_id, manager\_id),

Foreign key (message\_id) references message(message\_id)

ON DELETE CASCADE

ON UPDATE CASCADE,

Foreign key (manager\_id) references Use\_MessageManager(manager\_id)

ON DELETE CASCADE

ON UPDATE CASCADE);