create schema social;

use social;

CREATE TABLE account (

user\_id INT(10) NOT NULL,

username NVARCHAR(255),

password nVARCHAR(255),

email varchar(255),

is\_banned INT(1),

role int(1) NOT NULL,

creation\_date datetime,

operating\_date datetime,

otp int,

PRIMARY KEY (user\_id)

);

CREATE TABLE comment (

comment\_id INT(10) NOT NULL AUTO\_INCREMENT,

description text,

status\_id INT(10) NOT NULL,

user\_id INT(10) NOT NULL,

PRIMARY KEY (comment\_id)

);

CREATE TABLE conservation\_message (

message\_id INT(10) NOT NULL AUTO\_INCREMENT,

description text,

`date` datetime,

user\_id INT(10),

conversation\_id INT(10) NOT NULL,

PRIMARY KEY (message\_id)

);

CREATE TABLE conversation (

conversation\_id INT(10) NOT NULL AUTO\_INCREMENT,

family\_id INT(10),

name nVARCHAR(255),

image varchar(255),

Status int(10),

PRIMARY KEY (conversation\_id)

);

CREATE TABLE conversation\_member (

conversation\_member\_id INT(10) NOT NULL AUTO\_INCREMENT,

role INT(1),

user\_id INT(10) NOT NULL,

conversation\_id INT(10) NOT NULL,

PRIMARY KEY (conversation\_member\_id)

);

CREATE TABLE event (

event\_id INT(10) NOT NULL AUTO\_INCREMENT,

user\_id INT(10),

family\_id INT(10),

name nVARCHAR(255),

start\_date datetime,

end\_date datetime,

description text,

frequency INT(10),

place text,

access int(1),

PRIMARY KEY (event\_id)

);

create table event\_tag(

event\_tag\_id int(10) not null auto\_increment,

event\_id int(10),

user\_id int(10),

PRIMARY KEY (event\_tag\_id)

);

CREATE TABLE family (

family\_id INT(10) NOT NULL AUTO\_INCREMENT,

name nVARCHAR(255),

background varchar(255),

img varchar(255),

type INT(1),

description text,

`date` datetime,

PRIMARY KEY (family\_id)

);

CREATE TABLE family\_member (

family\_member\_id INT(10) NOT NULL AUTO\_INCREMENT,

family\_id INT(10) NOT NULL,

user\_id INT(10) NOT NULL,

Role INT(1),

PRIMARY KEY (family\_member\_id)

);

CREATE TABLE interaction (

interaction\_id INT(10) NOT NULL AUTO\_INCREMENT,

user\_id INT(10) NOT NULL,

status\_id INT(10) NOT NULL,

type INT(1),

PRIMARY KEY (interaction\_id)

);

CREATE TABLE interaction\_comment (

interaction\_comment\_id INT(10) NOT NULL AUTO\_INCREMENT,

type INT(1),

comment\_id INT(10) NOT NULL,

user\_id INT(10) NOT NULL,

PRIMARY KEY (interaction\_comment\_id)

);

CREATE TABLE notification (

notification\_id INT(10) NOT NULL AUTO\_INCREMENT,

user\_id INT(10) NOT NULL,

notification\_type INT(1),

date datetime,

description text,

remind\_event datetime,

relation\_id INT(10),

event\_id INT,

PRIMARY KEY (notification\_id)

);

CREATE TABLE relation (

relation\_id INT(10) NOT NULL AUTO\_INCREMENT,

user2\_id INT(10) NOT NULL,

user1\_id INT(10) NOT NULL,

type INT(1),

PRIMARY KEY (relation\_id)

);

CREATE TABLE remind (

remind\_id INT(10) NOT NULL AUTO\_INCREMENT,

event\_id INT(10) NOT NULL,

remind\_title nvarchar(255),

`date` datetime,

userid\_target INT(1),

PRIMARY KEY (remind\_id)

);

CREATE TABLE status (

status\_id INT(10) NOT NULL AUTO\_INCREMENT,

user\_id INT(10) NOT NULL,

family\_id INT(10),

img varchar(255),

description text,

`date` datetime,

date\_memory date,

place text,

access INT(1),

PRIMARY KEY (status\_id)

);

CREATE TABLE status\_tag (

status\_tag\_id INT(10) NOT NULL AUTO\_INCREMENT,

status\_id INT(10) NOT NULL,

user\_id INT(10) NOT NULL,

PRIMARY KEY (status\_tag\_id)

);

CREATE TABLE `user` (

user\_id INT(10) NOT NULL AUTO\_INCREMENT,

first\_name nvarchar(255) NOT NULL,

last\_name nvarchar(255) NOT NULL,

gender int(1),

date\_birth DATETIME,

date\_death DATETIME,

phone\_number varchar(20),

image varchar(255),

status int(10) NOT NULL,

PRIMARY KEY (user\_id)

);

create table `tree`

(

tree\_id INT(10) not null auto\_increment,

user\_id int(10),

family\_id int(10),

name nvarchar(255),

primary key (tree\_id)

);

ALTER TABLE relation ADD CONSTRAINT FKrelation473628 FOREIGN KEY (user2\_id) REFERENCES `user` (user\_id);

ALTER TABLE comment ADD CONSTRAINT FKcomment486197 FOREIGN KEY (status\_id) REFERENCES status (status\_id);

ALTER TABLE account ADD CONSTRAINT FKaccount986853 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE event ADD CONSTRAINT FKevent775166 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE remind ADD CONSTRAINT FKremind488314 FOREIGN KEY (event\_id) REFERENCES event (event\_id);

ALTER TABLE status ADD CONSTRAINT FKstatus149252 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE interaction ADD CONSTRAINT FKinteractio439756 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE interaction ADD CONSTRAINT FKinteractio193254 FOREIGN KEY (status\_id) REFERENCES status (status\_id);

ALTER TABLE comment ADD CONSTRAINT FKcomment732699 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE interaction\_comment ADD CONSTRAINT FKinteration916968 FOREIGN KEY (comment\_id) REFERENCES comment (comment\_id);

ALTER TABLE interaction\_comment ADD CONSTRAINT FKinteration452322 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE status\_tag ADD CONSTRAINT FKstatus\_tag567002 FOREIGN KEY (status\_id) REFERENCES status (status\_id);

ALTER TABLE status\_tag ADD CONSTRAINT FKstatus\_tag320500 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE family\_member ADD CONSTRAINT FKfamily\_memb972710 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id);

ALTER TABLE family\_member ADD CONSTRAINT FKfamily\_memb47583 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE conversation ADD CONSTRAINT FKconversation1 FOREIGN KEY (family\_id) REFERENCES family (family\_id) ON DELETE CASCADE ;

ALTER TABLE conversation\_member ADD CONSTRAINT FKconversati406859 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE conversation\_member ADD CONSTRAINT FKconversati581459 FOREIGN KEY (conversation\_id) REFERENCES conversation (conversation\_id);

ALTER TABLE conservation\_message ADD CONSTRAINT FKconservati406198 FOREIGN KEY (conversation\_id) REFERENCES conversation (conversation\_id) ON DELETE CASCADE;

ALTER TABLE conservation\_message ADD CONSTRAINT FKconservati123456 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE relation ADD CONSTRAINT FKrelation503419 FOREIGN KEY (user1\_id) REFERENCES `user` (user\_id);

ALTER TABLE notification ADD CONSTRAINT FKnotificati566788 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id);

ALTER TABLE event ADD CONSTRAINT FKevent245127 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id);

ALTER TABLE status ADD CONSTRAINT FKstatus871041 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id);

ALTER TABLE tree ADD CONSTRAINT FKtree686868 FOREIGN KEY (user\_id) REFERENCES `user`(user\_id);

ALTER TABLE tree ADD CONSTRAINT FKtree696969 FOREIGN KEY (family\_id) REFERENCES `family`(family\_id);

#Khi xóa user thì xóa các record tương quan

ALTER TABLE comment DROP FOREIGN KEY FKcomment732699;

ALTER TABLE comment ADD CONSTRAINT FKcomment732699 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE event DROP FOREIGN KEY FKevent775166;

ALTER TABLE event ADD CONSTRAINT FKevent775166 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE status DROP FOREIGN KEY FKstatus149252;

ALTER TABLE status ADD CONSTRAINT FKstatus149252 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE interaction DROP FOREIGN KEY FKinteractio439756;

ALTER TABLE interaction ADD CONSTRAINT FKinteractio439756 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE interaction\_comment DROP FOREIGN KEY FKinteration452322;

ALTER TABLE interaction\_comment ADD CONSTRAINT FKinteration452322 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE status\_tag DROP FOREIGN KEY FKstatus\_tag320500;

ALTER TABLE status\_tag ADD CONSTRAINT FKstatus\_tag320500 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE family\_member DROP FOREIGN KEY FKfamily\_memb47583;

ALTER TABLE family\_member ADD CONSTRAINT FKfamily\_memb47583 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE conversation\_member DROP FOREIGN KEY FKconversati406859;

ALTER TABLE conversation\_member ADD CONSTRAINT FKconversati406859 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE relation DROP FOREIGN KEY FKrelation503419;

ALTER TABLE relation DROP FOREIGN KEY FKrelation473628;

ALTER TABLE relation ADD CONSTRAINT FKrelation503419 FOREIGN KEY (user1\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE relation ADD CONSTRAINT FKrelation473628 FOREIGN KEY (user2\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE notification DROP FOREIGN KEY FKnotificati566788;

ALTER TABLE notification ADD CONSTRAINT FKnotificati566788 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE account DROP FOREIGN KEY FKaccount986853;

ALTER TABLE account ADD CONSTRAINT FKaccount986853 FOREIGN KEY (user\_id) REFERENCES `user` (user\_id) ON DELETE CASCADE;

ALTER TABLE event\_tag Add CONSTRAINT FKevent\_tag987654 FOREIGN KEY (event\_id) REFERENCES event(event\_id) ON DELETE CASCADE;

ALTER TABLE event\_tag ADD CONSTRAINT FKevent\_tag123456 FOREIGN KEY (user\_id) REFERENCES user(user\_id) ON DELETE CASCADE;

ALTER TABLE comment DROP FOREIGN KEY FKcomment486197;

ALTER TABLE comment ADD CONSTRAINT FKcomment486197 FOREIGN KEY (status\_id) REFERENCES status (status\_id) ON DELETE CASCADE;

ALTER TABLE interaction DROP FOREIGN KEY FKinteractio193254;

ALTER TABLE interaction ADD CONSTRAINT FKinteractio193254 FOREIGN KEY (status\_id) REFERENCES status (status\_id) ON DELETE CASCADE;

ALTER TABLE status\_tag DROP FOREIGN KEY FKstatus\_tag567002;

ALTER TABLE status\_tag ADD CONSTRAINT FKstatus\_tag567002 FOREIGN KEY (status\_id) REFERENCES status (status\_id) ON DELETE CASCADE;

ALTER TABLE conservation\_message DROP FOREIGN KEY FKconservati406198;

ALTER TABLE conservation\_message ADD CONSTRAINT FKconservati406198 FOREIGN KEY (conversation\_id) REFERENCES conversation (conversation\_id) ON DELETE CASCADE;

ALTER TABLE conversation\_member DROP FOREIGN KEY FKconversati581459;

ALTER TABLE conversation\_member ADD CONSTRAINT FKconversati581459 FOREIGN KEY (conversation\_id) REFERENCES conversation (conversation\_id) ON DELETE CASCADE;

ALTER TABLE event DROP FOREIGN KEY FKevent245127;

ALTER TABLE event ADD CONSTRAINT FKevent245127 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id) ON DELETE SET NULL;

ALTER TABLE status DROP FOREIGN KEY FKstatus871041;

ALTER TABLE status ADD CONSTRAINT FKstatus871041 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id) ON DELETE SET NULL;

ALTER TABLE family\_member DROP FOREIGN KEY FKfamily\_memb972710;

ALTER TABLE family\_member ADD CONSTRAINT FKfamily\_memb972710 FOREIGN KEY (family\_id) REFERENCES `family` (family\_id) ON DELETE CASCADE;

ALTER TABLE remind DROP FOREIGN KEY FKremind488314;

ALTER TABLE remind ADD CONSTRAINT FKremind488314 FOREIGN KEY (event\_id) REFERENCES event (event\_id) ON DELETE CASCADE;

ALTER TABLE tree DROP FOREIGN KEY FKtree686868;

ALTER TABLE tree ADD CONSTRAINT FKtree686868 FOREIGN KEY (user\_id) REFERENCES `user`(user\_id) ON DELETE CASCADE;

ALTER TABLE tree DROP FOREIGN KEY FKtree696969;

ALTER TABLE tree ADD CONSTRAINT FKtree696969 FOREIGN KEY (family\_id) REFERENCES `family`(family\_id) ON DELETE CASCADE;

ALTER TABLE notification ADD CONSTRAINT FKnotification\_relation FOREIGN KEY (relation\_id) REFERENCES relation(relation\_id) ON DELETE CASCADE;

ALTER TABLE notification ADD CONSTRAINT fk\_notification\_event FOREIGN KEY (event\_id) REFERENCES event(event\_id) ON DELETE CASCADE;

DELIMITER //

CREATE EVENT delete\_expired\_otp

ON SCHEDULE EVERY 2 MINUTE

DO

BEGIN

UPDATE account SET otp = NULL WHERE creation\_date < NOW() - INTERVAL 2 MINUTE AND otp IS NOT NULL;

END //

DELIMITER ;