Create DATABASE Studiar;

#User table

CREATE TABLE user\_table(

userId int AUTO\_INCREMENT Primary Key,

Fname varchar(255) NOT NULL,

Lname varchar(255) NOT NULL,

Institute varchar(255) NOT NULL,

College varchar(255) NOT NULL,

Department varchar(255) NOT NULL,

Gender varchar (7) NOT NULL,

Email varchar(255) UNIQUE NOT NULL,

Password varchar(255) NOT NULL

);

#group table

CREATE TABLE group\_table(

groupId int (255) AUTO\_INCREMENT Primary Key,

group\_name varchar(250) NOT NULL,

group\_admin int(11) NOT NULL,

state varchar(8) DEFAULT ‘inactive’,

About varchar (355) NOT NULL,

CONSTRAINT group\_admin FOREIGN KEY (group\_admin) REFERENCES user\_table(userId)

);

#membership table

CREATE TABLE member\_of(

userID int NOT NULL,

groupID int NOT NULL,

CONSTRAINT memberid PRIMARY KEY(userID,groupID),

FOREIGN KEY (userID) REFERENCES user\_table(userId) ,

FOREIGN KEY(groupID) REFERENCES group\_table(groupId)

);

#member count

CREATE TABLE member\_count( member\_num int(8) DEFAULT '0',

Id int(11) ,

FOREIGN KEY(Id) REFERENCES group\_table(groupId) );

#counting number of members per a group

# Trigger

DELIMITER $$

CREATE TRIGGER member\_add

AFTER INSERT

ON member\_of FOR EACH ROW

BEGIN

UPDATE member\_count

SET member\_num = (Select count(\*) FROM member\_of WHERE groupID=New.groupID)

WHERE Id=New.groupID;

END ;

$$

DELIMITER ;

#Tigger

DELIMITER $$

CREATE TRIGGER admin\_member

AFTER INSERT

ON group\_table FOR EACH ROW

BEGIN

INSERT INTO member\_of (userID,groupID)

VALUES (New.group\_admin,New.groupId);

INSERT INTO member\_count(Id)

VALUES (New.groupId);

END;

$$

DELIMITER;

#location

CREATE TABLE location (

g\_id int(11) NOT NULL,

location varchar(255) NOT NULL,

FOREIGN KEY(g\_id) REFERENCES group\_table(groupId) ,

CONSTRAINT location\_pk Primary Key (g\_id, location)

);

#scheduled meetings

CREATE TABLE scheduled\_meeting(

groupid int(11) NOT NULL,

scheduled\_time time NOT NULL,

FOREIGN KEY(groupID) REFERENCES group\_table(groupId),

CONSTRAINT schedule\_id PRIMARY KEY (groupID, scheduled\_time)

);