Create database csci3100;

CREATE TABLE users(

user\_id INTEGER NOT NULL AUTO\_INCREMENT,

user\_name CHAR(20) NOT NULL,

password CHAR(20) NOT NULL,

eng\_name CHAR(20) NOT NULL,

email CHAR(35) NOT NULL,

tel\_no INTEGER NOT NULL,

birthday DATE NOT NULL,

PRIMARY KEY (user\_id) );

CREATE TABLE products(

product\_id INTEGER NOT NULL AUTO\_INCREMENT,

rate INTEGER NOT NULL,

price FLOAT NOT NULL,

product\_name CHAR(30) NOT NULL,

author CHAR(20) NOT NULL,

second\_hand INTEGER NOT NULL,

release\_date DATE NOT NULL,

venue CHAR(30) NOT NULL,

information CHAR(60) NOT NULL,

image\_link CHAR(100),

status INTEGER NOT NULL,

user\_id INTEGER NOT NULL,

categories CHAR(10) NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

PRIMARY KEY (product\_id) );

CREATE TABLE transaction(

transaction\_id INTEGER NOT NULL AUTO\_INCREMENT,

product\_id INTEGER,

buyer\_id INTEGER,

seller\_id INTEGER,

transaction\_date DATE,

FOREIGN KEY (buyer\_id) REFERENCES users(user\_id),

FOREIGN KEY (seller\_id) REFERENCES users(user\_id),

FOREIGN KEY (product\_id) REFERENCES products(product\_id),

PRIMARY KEY (transaction\_id));

CREATE TABLE follow(

follower\_id INTEGER,

followee\_id INTEGER,

follow\_date DATE,

FOREIGN KEY (follower\_id) REFERENCES users(user\_id),

FOREIGN KEY (followee\_id) REFERENCES users(user\_id),

PRIMARY KEY (follower\_id , followee\_id));

CREATE TABLE give\_rate(

user\_id INTEGER,

product\_id INTEGER,

rate INTEGER,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

FOREIGN KEY (product\_id) REFERENCES products(product\_id),

PRIMARY KEY(user\_id, product\_id));

CREATE TABLE comment\_to\_users(

giver\_id INTEGER,

receiver\_id INTEGER,

comment CHAR(60),

comment\_id INTEGER,

FOREIGN KEY (giver\_id) REFERENCES users(user\_id),

FOREIGN KEY (receiver\_id) REFERENCES users(user\_id),

PRIMARY KEY (comment\_id));

CREATE TABLE post(

user\_id INTEGER,

product\_id INTEGER,

post\_date DATE,

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

FOREIGN KEY (product\_id) REFERENCES products(product\_id),

PRIMARY KEY (product\_id));

CREATE TABLE comment\_to\_product(

product\_id INTEGER,

user\_id INTEGER,

comment CHAR(60),

comment\_id INTEGER,

FOREIGN KEY (product\_id) REFERENCES products(product\_id),

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

PRIMARY KEY (comment\_id));

CREATE TABLE cat4count(

user\_id INTEGER,

//+++++++++++++++++++++++++++++

FOREIGN KEY (user\_id) REFERENCES users(user\_id),

PRIMARY KEY (user\_d));