CREATE DATABASE production\_products;

USE production\_products;

CREATE TABLE products

(

id INT NOT NULL,

author VARCHAR(20) NOT NULL,

published\_date DATE NOT NULL,

price DEC NOT NULL,

category VARCHAR(20) NOT NULL,

total\_qty INT NOT NULL,

available\_qty INT NOT NULL,

create\_date DATE NOT NULL,

PRIMARY KEY(id)

);

INSERT INTO products(id, author, published\_date, price, category, total\_qty, available\_qty, create\_date) VALUES('200000', 'C.V.Raman',"1988/11/01",'200','Books','20','10', "2017/11/01");

INSERT INTO products(id, author, published\_date, price, category, total\_qty, available\_qty, create\_date) VALUES('30000', 'J.K.Rowling', "1985/12/05",'240','Books', '28', '15', "2017/2/01");

INSERT INTO products(id, author, published\_date, price, category, total\_qty, available\_qty, create\_date) VALUES('200354', 'Durjoy Dutta', "1985/02/05",'52','DVD''s', '15', '5',"2016/12/11");

INSERT INTO products(id, author, published\_date, price, category, total\_qty, available\_qty, create\_date) VALUES('12000', 'James Smith', "1985/07/25",'201','DVD''S', '30', '14', "2017/06/26");

INSERT INTO products(id, author, published\_date, price, category, total\_qty, available\_qty, create\_date) VALUES('454150', 'John Green', "1949/08/20",'140','CD''s', '50', '45', "2017/05/25");

CREATE TABLE users

(

student\_id INT NOT NULL,

name VARCHAR(20) NOT NULL,

author VARCHAR(20) NOT NULL,

category VARCHAR(20) NOT NULL,

published\_date DATE NOT NULL,

qty INT NOT NULL,

return\_date DATE NOT NULL,

PRIMARY KEY(student\_id)

);

INSERT INTO users(student\_id, name, author, category, published\_date, qty, return\_date) VALUES('200354', 'Zeel', 'Durjoy Dutta', 'DVD''S', "1985/02/05", '15', "2017/12/10");

INSERT INTO users(student\_id, name, author, category, published\_date, qty, return\_date) VALUES('2453456', 'Diya', 'J.c.Bowling', 'Books', "1957/05/14", '15', "2017/07/20");

CREATE TABLE users\_borrows

(

id VARCHAR(20) NOT NULL,

category VARCHAR(20) NOT NULL,

borrow\_date DATE NOT NULL,

author VARCHAR(20) NOT NULL,

published\_date DATE NOT NULL,

qty INT NOT NULL,

due\_date DATE NOT NULL,

PRIMARY KEY(id)

);

INSERT INTO users\_borrows(id, category, borrow\_date, author, published\_date, qty, due\_date) VALUES('200354', 'DVD''S', "2017/05/13", 'Durjoy Dutta', "1985/02/05",'15', "2017/12/11");

INSERT INTO users\_borrows(id, category, borrow\_date, author, published\_date, qty, due\_date) VALUES('200355', 'Books', "2017/06/23", 'J.k.Rowling', "1945/04/04",'25', "2017/02/01");

INSERT INTO users\_borrows(id, category, borrow\_date, author, published\_date, qty, due\_date) VALUES('200356', 'DVD''S', "2017/06/03", 'C.V.Raman', "1946/06/07",'56', "2017/10/11");

INSERT INTO users\_borrows(id, category, borrow\_date, author, published\_date, qty, due\_date) VALUES('200357', 'CD''S', "2017/05/13", 'John Joxton', "1987/04/04",'185', "2017/12/11");

UPDATE products SET available\_qty = 4 WHERE id = '200354';

DELETE FROM users\_borrows WHERE id= '200354' AND author='Durjoy Dutta';

UPDATE products SET available\_qty = '5' WHERE id='200354';

SELECT \* FROM users\_borrows;

SELECT \* FROM products WHERE category ='Books' AND available\_qty = '0';