I rewrite pda1….

<Database PDA1>

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**<a>** Write description of online open market you propose to work with throughout the course;

-I want to management open market for books with Database system.

Every publishing company(Seller) can participate this open market and can sell their books.

They produce books and book’s table contents.

<b> Write analysis of requirements for your application.

**-Product(Book) :**

Product must be produced its table of contents,author,publishing company name(its seller’s attribute).

So customer can know about Product and sell it.

**-Seller(publishing company) :**

Sellers manage about the product.

They must post product and product’s produce.

**-Customer :**

Customer rate a product with review and satisfaction.=>purchase Postscript weak entity

Customer read product’s tabled of content and review, and then purchase order about products.

**-Order :**

Order consists of products’ quantity,shipping status and total price(derive from product’s price and quantity)

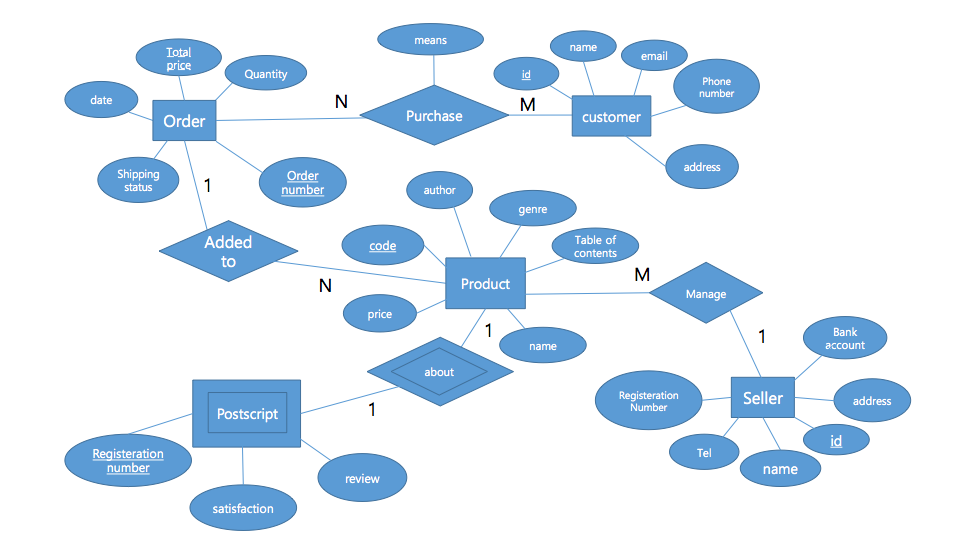
Order is made by customer(purchase) and has order date,order number.

Customer must select purchasing means before order.

**-Postscript :**

Customer can write review and rate satisfaction score after purchasing product.

Customer can write only one postscript about each books.(1 product : 1 postscript)

<c>

<d>

Products are books. The book is important to produce information for customer to know it.Products are categorized to genre,name,author and publishing company.So, products can be searched by customers.

Customer buy product and can write review and rate satisfaction score.(=>purchase postscript)They must register id,password,name,e-mail,address and phone to receive order.

Sellers are publishing company.Seller can post and manage products.Seller have name,address,telephone number,bank account.They manage their product. The management includes checking products’ quantity(stock).They send product according to customer’s order.

To deliver products,order has total price,order number,quantity,ship date,order date and customer’s address.Customer must register their address and select purchasing means before order.

<Database PDA2>

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1. Er to relational model

A. Convert strong entities

i. Customer(c\_id, c\_name, c\_address, c\_phone)

ii. Seller(s\_id, s\_phone, s\_account, s\_registerNo)

iii. Product(p\_no, p\_price, s\_id, p\_name, author,genre,content)

iv.

Order(o\_no,o\_quantity,p\_no,o\_date,o\_shippingstate,o\_totalprice)

B. Convert weak entities

i. Postscript(c\_id, ps\_registerNo,review, satisfaction)

B. Convert relationships

i. 1:1 Relationships

*1. Postscript(1) –Product(1) : about*

*Postscript(p\_id, ps\_registerNo,review, satisfaction)*

ii. 1:N Relationships

*1. Product(n) – Order(1) : added to Order(o\_no,o\_quantity,p\_no,o\_date,o\_shippingstate,o\_totalprice)*

*2. Seller(1) – Product(N) : manage*

*Product(p\_no, s\_id, p\_price, p\_name, author,genre,content)*

iii. N:N Relationships

*Customer(N) -Order(M) : purchase*

*Puchase(c\_id,o\_no,means)*

**Relational Schema**

Customer(c\_id, o\_no,c\_name, c\_address, c\_phone)

Order(o\_no, o\_quantity,p\_no,o\_date,o\_shippingstate,o\_totalprice)

Puchase(c\_id,o\_no,means)

Seller(s\_id, s\_phone, s\_account, s\_registerNo)

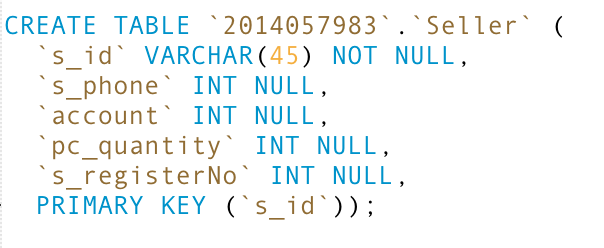
Product(p\_no, p\_price, s\_id, p\_name, author,genre,content)

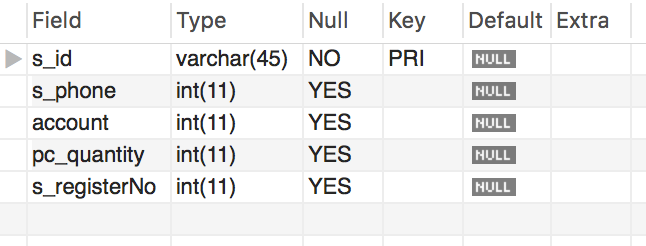
Postscript(c\_id, ps\_registerNo,review, satisfaction)

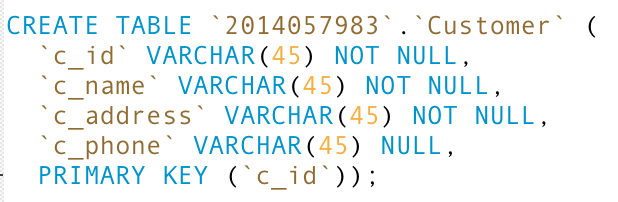
D. Convert multi-valued attributes None

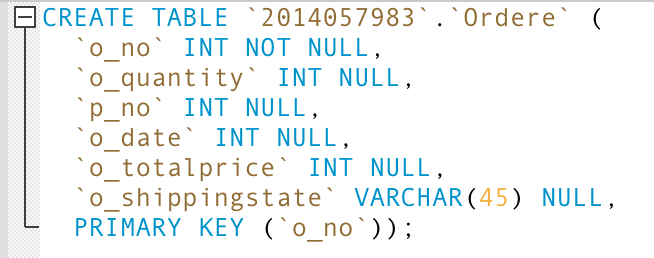
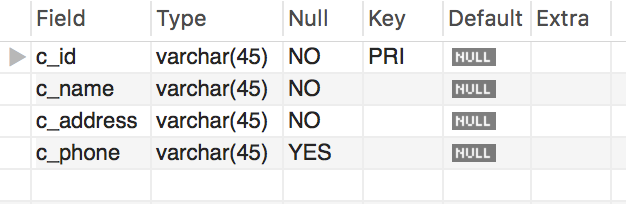
E. Convert n-ary relationships None

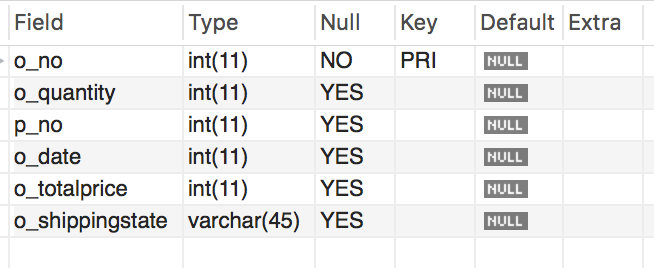
2. creating tables & insertion, mysql

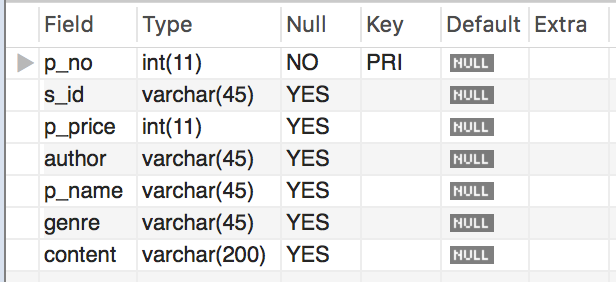
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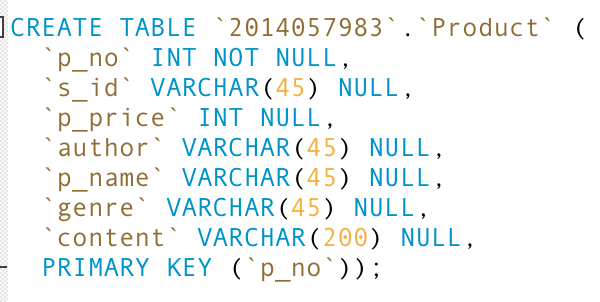
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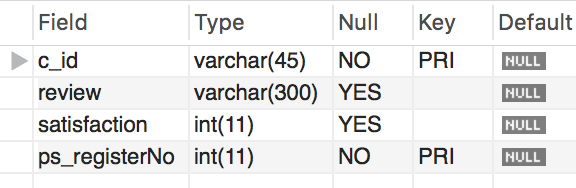
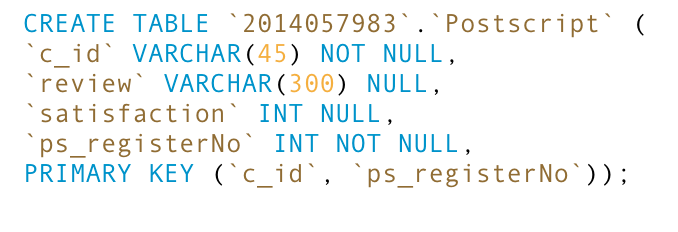
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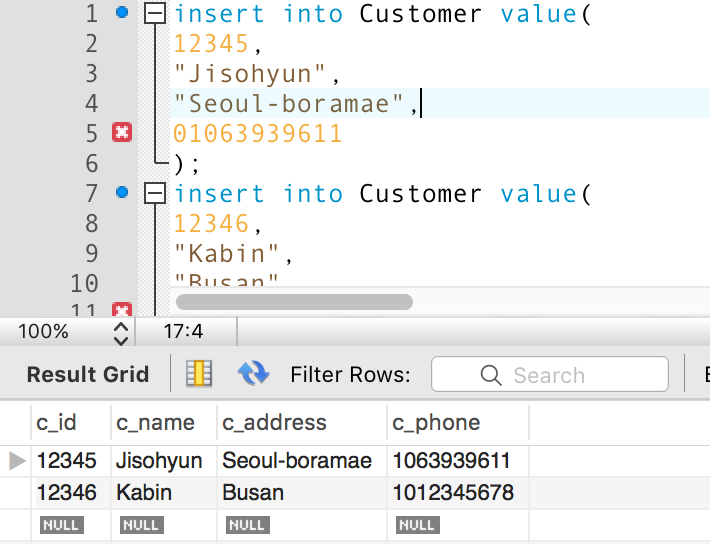
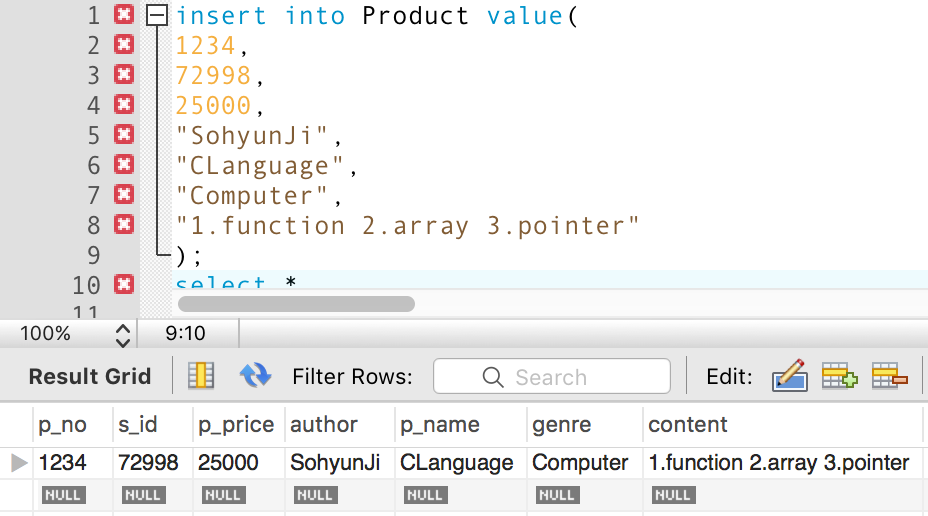
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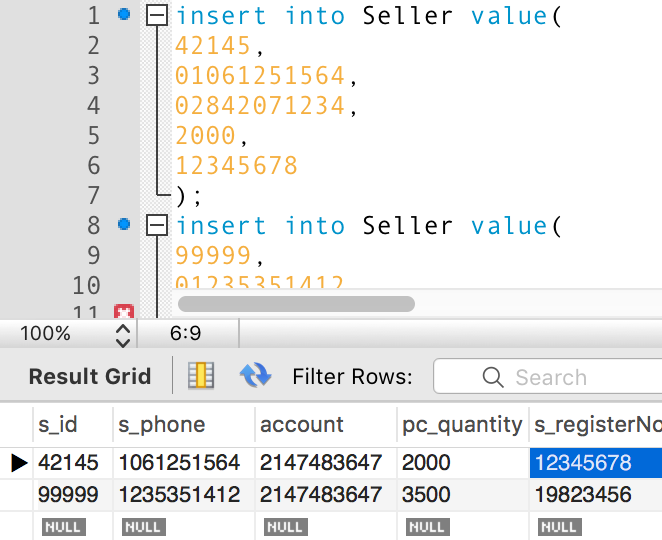
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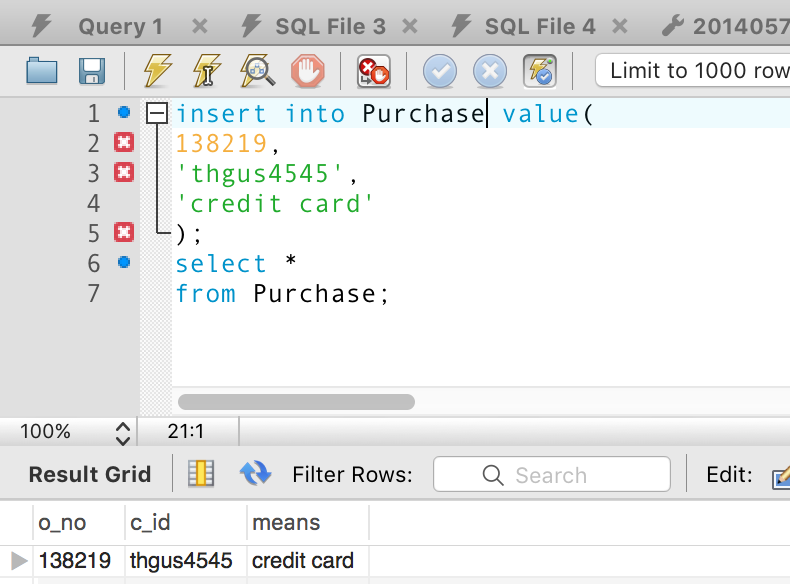
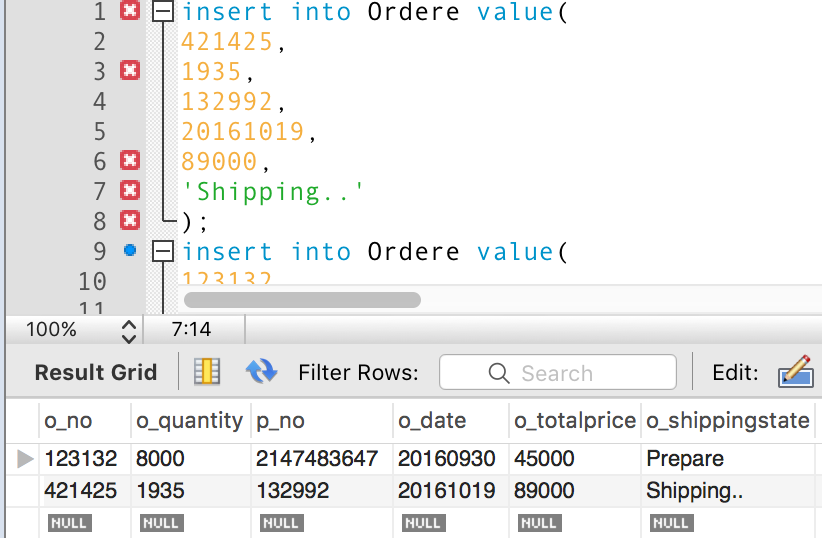
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