

Lab 19

Please go to this website: <https://uoclab.nccu.edu.tw/oopDBA/>

Login by your group's ID & password.

This lab is enhanced from the text book. Following figures are the information of “lab” schema.

Invoice

Invoice_ Number	Customer_ Number	Payment
INTEGER	INTEGER	DECIMAL(10, 2)
11731	3175	0
11732	3176	249.50
11733	3175	0

LinItem

Invoice_ Number	Product_ Code	Quantity
INTEGER	CHAR(7)	INTEGER
11731	116-064	3
11731	257-535	1
11731	643-119	2
11732	116-064	10
11733	116-064	2
11733	643-119	1

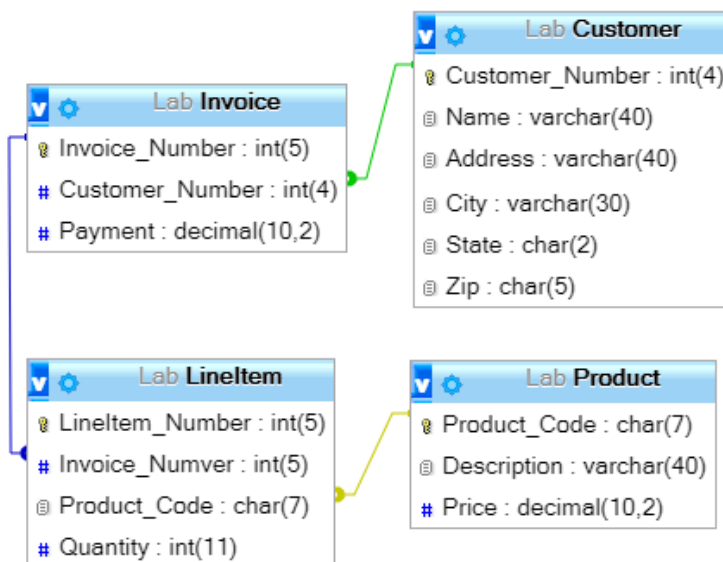
Product

Product_Code	Description	Price
CHAR(7)	VARCHAR(40)	DECIMAL(10, 2)
116-064	Toaster	24.95
257-535	Hair dryer	29.95
643-119	Car vacuum	19.99

Customer

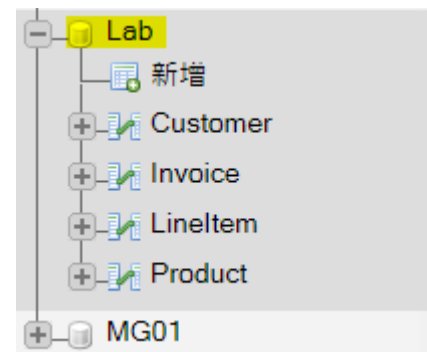
Customer_ Number	Name	Address	City	State	Zip
INTEGER	VARCHAR(40)	VARCHAR(40)	VARCHAR(30)	CHAR(2)	CHAR(5)
3175	Sam's Small Appliances	100 Main Street	Anytown	CA	98765
3176	Electronics Unlimited	1175 Liberty Ave	Pleasantville	MI	45066

Figure 8 A Sample Database



Please use “Lab”.

Write down the **SQL statement** and the **screenshot of query result** in document and save as **PDF** file.



Query questions:

1. Please use “Lab” schema.
- A. List all unpaid invoices.

Customer_Number	Name	Invoice_Number
3175	Sam's Small Appliances	11731
3175	Sam's Small Appliances	11733

- B. Compute the sum of all quantities of invoice number 11733.

SUM(Quantity)
3

- C. Compute the total cost of invoice number 11733. The value should be 69.89.

2. Please use “BankCustomer_yourStudentId”, which you created in lab 17, in your schema.
- A. Add a new customer to the table.
- B. Change customer 1’s PIN to 1111.

Customer_Number	PIN	Checking_Account_Number	Savings_Account_Number
1	1111	101	102
2	2468	201	202
3	3692	301	302
4	4826	401	402
5	5050	501	502
6	6284	601	602
7	7418	701	702
8	8642	801	802
9	9876	901	902

- C. Delete customer 9.

Submission: Submit your document as “pdf file (name: YourStudentID_Lab19)” via WM5.

No other submissions will be graded.

Deadline: Tomorrow’s midnight (for both Mon56 and Tue23)