2014 #6

Customer(Cust#, Cname, City)

Order(Order#, Odate, Cust#, Ord\_Amt)

Order\_Item(Order#, Item#, Qty)

Item(Item#, Unit\_Price)

Shipment(Order#, Warehouse#, Ship\_date)

Warehouse(Warehouse#, City)

Ord\_Amt is total dollar amount of an order;

Odate is the date the order was placed;

Ship\_date is the date an order is shipped from warehouse;

a. Create the table for the relation Order.

CREATE TABLE IF NOT EXIST `Order`(

`Order#` int primary key not null,

`Odate` date not null,

`Cust#` int not null,

`Ord\_Amt` int not null default ‘0000-00-00’,

FOREIGN KEY(`Cust#`) REFERENCES Customer(`Cust#`)

);

b. List Cust#, Cname, City for all customers

SELECT Cust#, Cname, City

FROM Customer

c. List the Order# and Ship\_date for all orders shipped from warehouse# “W2”

SELECT s.Order#, s.Ship\_date

FROM Shipment s

INNER JOIN Warehouse w ON w.Warehouse#=s.Warehouse#

WHERE w.Warehouse#=’W2’

d. For all the order items purchased by the customer whose Cust#=’C001’, list the Order#, Item#, and Qty for those items that have a unit price greater than 100

SELECT oi.Order#, oi.Item#, oi.Qty

FROM Order\_Item oi

INNER JOIN Order o ON o.Order#=oi.Order#

INNER JOIN Item i ON i.Item#=o.Item#

WHERE o.Cust#=’C001’ AND i.Uint\_Price > ‘100’