

Table (CustomerNumber, CustomerName, CustomerAddress, SalesOrderNum, SalesOrderDate, ClerkNum, ClerkName, ItemOrdered, Description, Quantity, UnitPrice, Total, OrderTotal)

→ 1st Normal Form:

Customer (CustomerNum, CustomerName, CustomerAddress)

SalesOrder(SalesOrderNumber, CustomerNum, SalesOrderDate, ClerkNum, ClerkName, OrderTotal)

OrderList(SalesOrderNumber, ItemOrderedCode, Description, Quantity, UnitPrice)

→ 2nd Normal Form:

Customer (CustomerNum, CustomerName, CustomerAddress)

SalesOrder(SalesOrderNumber, CustomerNum, ClerkNum, ClerkName, OrderTotal)

OrderDetails(SalesOrderNumber, SalesOrderDate, OrderTotal)

OrderList(SalesOrderNumber, ItemOrderedCode, Description, Quantity, UnitPrice)

Problem1

→ 3rd Normal Form:

Customer (CustomerNum, CustomerName, CustomerAddress)

SalesOrder(SalesOrderNumber, CustomerNum, ClerkNum, OrderTotal)

OrderDetails(SalesOrderNumber, SalesOrderDate, OrderTotal)

OrderList(SalesOrderNumber, ItemOrderedCode, Quantity)

Item (ItemOrderedCode, Description, unitprice)

Clerk (ClerkNum, ClerkName)



Table(DeptNum, DeptName, Location, MgrName, MgrID, TeleExt, CustNum, CustName, DateOfComplaint, NatureOfComplain)

1st Normal Form:

Department(DeptNum, DeptName, Location, MgrName, MgrID, TeleExt)

Cust_complain(DeptNum, CustNum, CustName, DateOfComplaint, NatureOfComplain)

2nd Normal Form:

Department(DeptNum, DeptName, Location, MgrName, MgrID, TeleExt)

Cust_complain(DeptNum, CustNum, DateOfComplaint, NatureOfComplain)

Customer (CustNum, CustName)

Problem 2

3rd Normal Form:

Department(DeptNum, DeptName, MgrID, Location, TeleExt)

MGR(MgrID, MgrName)

Cust_complain(DeptNum, CustNum, DateOfComplaint, NatureOfComplain)

Customer (CustNum, CustName)