

Problem 1:

1NF:

Sales Order: (SalesOrderNumber , CustomerNumber , CustomerName , CustomerAddress , SalesOrderDate , ClerkNumber , ClerkName)

Item Order: (SalesOrderNumber , ItemOrdered , Description , Quantity , Unit Price , Total

2NF:

Sales Orders: (SalesOrderNumber , CustomerNumber , CustomerName , CustomerAddress , SalesOrderDate , ClerkNumber , ClerkName)

Item order: (SalesOrderNumber , ItemOrdered , Quantity , Total)

Item details: (ItemOrdered , Description, UnitPrice)

3NF:

Sales Orders: (SalesOrderNumber , CustomerNumber , SalesOrderDate , ClerkNumber)

Customers: (CustomerNumber , CustomerName , CustomerAddress)

Clerks: (ClerkNumber , ClerkName)

Item order: (SalesOrderNumber , ItemOrdered , Quantity , Total)

Item details: (ItemOrdered , Description, UnitPrice)

Problem 2

1NF:

Departments: (Dept# , Dept Name , Location , Mgr Name , Mgr ID No., Tel Extn)

Complaints: (Cust# , Cust Name , Date of Complaint , Nature of Complaint , Dept#)

2NF:

Departments: (Dept# , Dept Name , Location , Tel Extn, Mgr ID No. , Mgr Name)

Complaints: (Cust# , Dept# , Date of Complaint , Nature of Complaint)

Customers: (Dept# , Cust# , Cust Name)

3NF:

Departments: (Dept# , Dept Name , Location , Tel Extn , Mgr ID No.)

Manager: (Dept# , Mgr ID No. , Mgr Name)

Complaints: (Cust# , Dept# , Date of Complaint , Nature of Complaint)

Customers: (Dept# , Cust# , Cust Name)