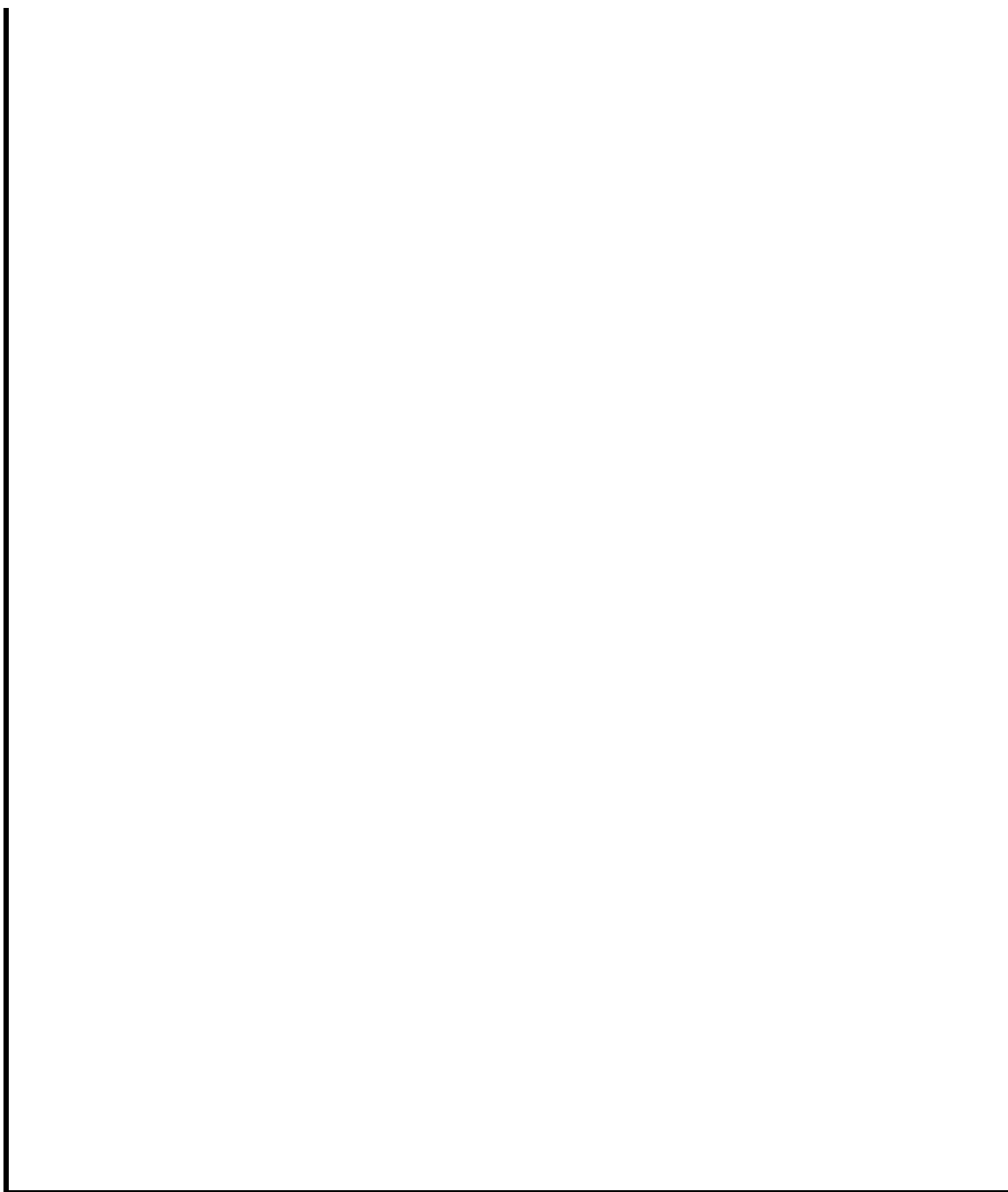


Normalisation:

	# Tables = 9	# Tables = 14
	Remove repeating groups	Remove key dependencies
UNF	1NF	2NF
	<u>Report_ID</u>	<u>Report_ID</u>
1 Sales	Sales	Sales
2 DirectCosts	DirectCosts	DirectCosts
3 OverheadCosts	OverheadCosts	OverheadCosts
4 StaffID	StaffID*	StaffID*
5 FirstName		
6 LastName	<u>Staff_ID</u>	<u>Staff_ID</u>
7 Dob	FirstName	FirstName
8 StreetNumber	LastName	LastName
9 Street	Dob	Dob
10 City	StreetNumber	StreetNumber
11 PostCode	Street	Street
12 Country	City	City
13 EmailAddress	PostCode	PostCode
14 PhoneNumber	Country	Country
15 StaffGrade	EmailAddress	EmailAddress
16 Department	PhoneNumber	PhoneNumber
17 Manager	StaffGrade	PRSiNumber
18 PRSiNumber	Department	CustomerID*
19 FirstName	Manager	ReportID*
20 LastName	WarehouseID*	StaffGradeID*
21 DateOfJoining	PRSiNumber	
22 Dob	CustomerID*	<u>StaffGrade_ID</u>
23 StreetNumber	ReportID*	StaffGrade
24 Street		Department
25 City	<u>Customer_ID</u>	Manager
26 PostCode	FirstName	WarehouseID*
27 Country	LastName	
28 PhoneNumber	DateOfJoining	<u>Customer_ID</u>
29 EmailAddress	Dob	FirstName
30 SatisfactionLevelProduct	StreetNumber	LastName
31 SatisfactionLevelSpeed	Street	DateOfJoining
32 SatisfactionLevelWebsite	City	Dob
33 FrequencyOfPurchase	PostCode	StreetNumber
34 DiscountUsage	Country	Street
35 PrimeClubMember	PhoneNumber	City
36 CardNumber	EmailAddress	PostCode
37 PaymentDate	StaffID*	Country
38 Amount	OrderID*	PhoneNumber
39 OrderDate	ShipperID*	EmailAddress
40 RequiredDate	PaymentsReferenceID*	StaffID*

41 ShippedDate		OrderID*
42 OrderStatus	<u>PaymentsReference ID</u>	ShipperID*
43 Comments	CardNumber	PaymentsReferenceID*
44 QuantityOrdered	PaymentDate	SatisfactionID*
45 Price	Amount	
46 ProductName	CustomerID*	<u>Satisfaction ID</u>
47 ProductDescription		SatisfactionLevelProduct
48 StockQuantity	<u>Order ID</u>	SatisfactionLevelSpeed
49 Cost	OrderDate	SatisfactionLevelWebsite
50 SalesPrice	RequiredDate	FrequencyOfPurchase
51 Weight	CustomerID*	DiscountUsage
52 Height	OrderLineNumberID*	PrimeClubMember
53 Length	OrderStatusID*	CustomerID*
54 Width		
55 SupplierName	<u>OrderLineNumber ID</u>	<u>Order ID</u>
56 StreetNumber	QuantityOrdered	OrderDate
57 Street	Price	RequiredDate
58 City	ProductID*	CustomerID*
59 PostCode	OrderID*	OrderLineNumberID*
60 Country		OrderStatusID*
61 Contact	<u>Product ID</u>	
62 PhoneNumber	ProductName	<u>OrderStatus ID</u>
63 EmailAddress	ProductDescription	ShippedDate
64 RTMNumber	StockQuantity	OrderStatus
65 ShipperName	Cost	Comments
66 StreetNumber	SalesPrice	OrderID*
67 Street	Weight	
68 City	Height	<u>OrderLineNumber ID</u>
69 PostCode	Length	QuantityOrdered
70 Country	Width	Price
71 ShipperTimeEstimate1	OrderID*	ProductID*
72 ShipperTimeEstimate2	SupplierID*	OrderID*
73 EmailAddress	OrderlineNumberID*	
74 PhoneNumber		<u>PaymentsReference ID</u>
	<u>Supplier ID</u>	CardNumber
	SupplierName	PaymentDate
	StreetNumber	CustomerID*
	Street	AmountID*
	City	
	PostCode	<u>PaymentsReference ID</u>
	Country	<u>AmountID</u>
	Contact	Amount
	PhoneNumber	PaymentsReferenceID*
	EmailAddress	
	RTMNumber	<u>Product ID</u>
	ShipperID*	StockQuantity
	ProductID*	Cost
		SalesPrice
	<u>Shipper ID</u>	OrderID*
	ShipperName	SupplierID*

StreetNumber	OrderlineNumberID*
Street	ProductDescriptionID*
City	
PostCode	<u>ProductDescription_ID</u>
Country	ProductName
ShipperTimeEstimate1	ProductDescription
ShipperTimeEstimate2	Weight
EmailAddress	Height
PhoneNumber	Length
SupplierID*	Width
CustomerID*	ProductID*



Tables = 23

Remove non-key dependencies

3NF

Report_ID

Sales

DirectCosts

OverheadCosts

StaffID*

Staff_ID

EmailAddress

PhoneNumber

CustomerID*

ReportID*

StaffGradeID*

PRSiNumberID*

PRSiNumber_ID

FirstName

LastName

Dob

StreetNumber

Street

City

PostCode

Country

StaffID*

StaffGrade_ID

StaffGrade

Department

WarehouseID*

DepartmentID*

StaffID*

Department_ID

Manager

StaffGradeID*

Customer_ID

FirstName

LastName

DateOfJoining

Dob

Tables = 23

Table

Name

Reporting

Staff

PRSi

StaffGrade

StaffDepartment

Customer

StreetNumber
Street
City
PostCode
Country
PhoneNumber
EmailAddress
StaffID*
OrderID*
ShipperID*
PaymentsReferenceID*
SatisfactionID*

Satisfaction ID

Satisfaction

SatisfactionLevelProduct
SatisfactionLevelSpeed
SatisfactionLevelWebsite
PrimeClubMember
CustomerID*
UsageOfDiscountID*
PurchaseFrequencyID*

UsageOfDiscount ID

PurchaseFrequency

PurchaseFrequency ID

FrequencyOfPurchase
SatisfactionID*

UsageOfDiscount ID

Discount

DiscountUsage
SatisfactionID*

Order ID

Order

OrderDate
RequiredDate
CustomerID*
OrderLineNumberID*
OrderStatusID*
DateRequiredID*

DateRequired ID

DeliveryDate

RequiredDate
OrderID*

OrderStatus ID

OrderStatus

ShippedDate
OrderStatus
Comments
OrderID*

OrderLineNumber ID

OrderDetails

QuantityOrdered
Price
ProductID*
OrderID*

PaymentsReference_ID

CardNumber
PaymentDate
CustomerID*
PaymentsReferenceID*
AmountID*

Supplier_ID

SupplierName
StreetNumber
Street
City
PostCode
Country
Contact
PhoneNumber
EmailAddress
RTMNumber
ShipperID*
ProductID*

Shipper_ID

ShipperName
StreetNumber
Street
City
PostCode
Country
ShipperTimeEstimate1
ShipperTimeEstimate2
EmailAddress
PhoneNumber
SupplierID*
CustomerID*

PaymentDetails

PaymentsReference_II OrderValue

Amount_ID

Amount
PaymentsReferenceID*

Product_ID

ProductInFigures

StockQuantity
Cost
SalesPrice
OrderID*
SupplierID*
OrderlineNumberID*
ProductDescriptionID*
ProductID*
PriceSoldID*
ProductNameID*

PriceSold_ID

SalesPrice

SalesPrice
ProductID*

ProductName_ID

ProductName

Product_ID

ProductName
DescriptionID*
ProductID*

ProductDescription_ID ProductDescription

ProductDescription
Weight
Height
Length
Width
ProductNameID*
ProductID*

Supplier_ID

Suppliers

SupplierName

StreetNumber
Street
City
PostCode
Country
Contact
PhoneNumber
EmailAddress
ShipperID*
ProductID*
RTMID*
EstimateToDeliverID*

Shipper ID DeliveryCompany

ShipperName
StreetNumber
Street
City
PostCode
Country
EmailAddress
PhoneNumber
SupplierID*
CustomerID*
EstimateToDeliverID*

EstimateToDeliver ID DeliveryEstimates

ShipperTimeEstimate1
ShipperTimeEstimate2
SupplierID*

RTM ID RTMs

RTMNumber
SupplierID*