CompanyID
CompanyName
Address
ContactName
ContactPhone
CompanyType
IndustryRating
YearsWithUs
FacilityLicenseNumber
RetailLicenseNumber
MaterialID
MaterialName
Country
ProductID
ProductName
Price
Treatment

Declaring the Primary Key

Dealing with Multivalued Attributes
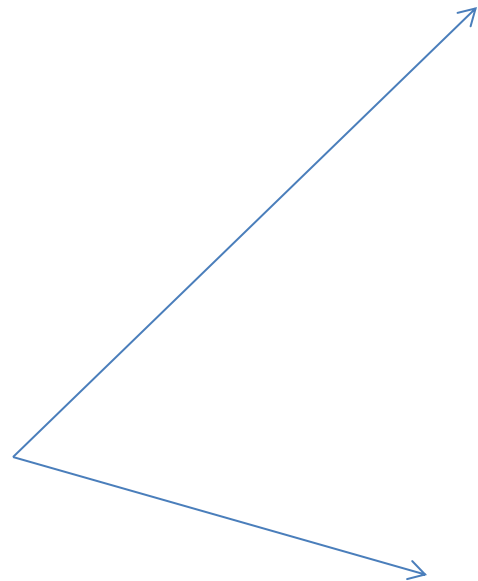
Dealing with inconsistent attribute naming

CompanyID
CompanyName
CompanyStreetAddress
CompanyPostalCode
CompanyContactFName
CompanyContactLName
CompanyContactPhone
CompanyType
IndustryRating
YearsWithUs
FacilityLicenseNumber
RetailLicenseNumber
MaterialID
MaterialName
MaterialCountry
ProductID
ProductName
ProductPrice
ProductTreatment

Given that we have no partial dependencies, we are already in 2NF.

Going from 2NF to 3NF/4NF

Left table:

CompanyName
CompanyStreetAddress
CompanyPostalCode
ContactFName
ContactLName
ContactPhone
CompanyType
IndustryRating
YearsWithUs
FacilityLicenseNumber
RetailLicenseNumber
MaterialID
MaterialName
MaterialCountry
ProductID
ProductName
ProductPrice
ProductTreatment

Transitive Dependency

Transitive Dependency

Right tables:

CompanyName
CompanyStreetAddress
CompanyPostalCode
CompanyContactFName
CompanyContactLName
CompanyContactPhone
CompanyType
IndustryRating
YearsWithUs
FacilityLicenseNumber
RetailLicenseNumber

MaterialID
MaterialName
MaterialCountry

ProductID
ProductName
ProductPrice
ProductTreatment