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# Upsizing Wizard Report

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## Database

**Microsoft Access Database:** C:\SEUA12\Code\Chaptr22\Upsize22.accdb

**SQL Server Database:** UpsizeSQL

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## Upsizing Parameters

### Table Attributes to Export

☒ **Indexes**

☒ **Validation rules**

☒ **Defaults**

☐ **Structure only, no data**

#### Table relationships:

Upsized using DRI

#### Timestamp fields added:

Some tables

### Modifications to Existing Database

☐ **Attach newly created  
SQL Server tables**

☐ **Save password and  
user ID with attached  
tables**

### Client/Server Modifications

☒ **Create a new Access  
client/server  
application.**

☐ **Save password and  
user ID with  
application**

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## Tables

### Table: Categories

**Microsoft Access**

**SQL Server**

**Table Name:** Categories

Categories

**Attached Table Name:**

**Aliasing Query:**

**Validation Rule:**

*Timestamp field added to SQL Server table.*

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## Fields

### Microsoft Access

### SQL Server

**Field Name:** CategoryID

CategoryID

**Data Type:** Number (Long)

int

**Field Name:** CategoryName

CategoryName

**Data Type:** Text(15)

nvarchar(15)

**Field Name:** Description

Description

**Data Type:** Memo

text

**Field Name:** Picture

Picture

**Data Type:** OLE Object

image

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## Indexes

### Microsoft Access

### SQL Server

**Name:** CategoryName

CategoryName

**Fields:** CategoryName

CategoryName

**Type:** Unique

Unique

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## Table: CustContacts

### Microsoft Access

**Table Name:** CustContacts

**Attached Table Name:**

**Aliasing Query:**

**Validation Rule:**

*Timestamp field added to SQL Server table.*

### SQL Server

CustContacts

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## Fields

### Microsoft Access

### SQL Server

**Field Name:** ContactID

ContactID

**Data Type:** Number (Long)

int

**Field Name:** CustomerID

CustomerID

**Data Type:** Text(5)

nvarchar(5)

**Field Name:** FirstName

FirstName

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** LastName

LastName

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** Dear

Dear

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** Title

Title

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** WorkPhone

WorkPhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** WorkExtension

WorkExtension

**Data Type:** Text(20)

nvarchar(20)

**Field Name:** HomePhone

HomePhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** MobilePhone

MobilePhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** FaxNumber

FaxNumber

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** EmailName

EmailName

**Data Type:** Text(50)

nvarchar(50)

<b>Field Name:</b> LastMeetingDate	LastMeetingDate
<b>Data Type:</b> Date/Time	datetime
<b>Field Name:</b> ContactTypeID	ContactTypeID
<b>Data Type:</b> Number (Long)	int
<b>Field Name:</b> ReferredBy	ReferredBy
<b>Data Type:</b> Text(50)	nvarchar(50)
<b>Field Name:</b> Notes	Notes
<b>Data Type:</b> Memo	text

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Indexes	Microsoft Access	SQL Server
	<b>Name:</b> ContactTypeID	ContactTypeID
	<b>Fields:</b> ContactTypeID	ContactTypeID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> CustomerID	CustomerID
	<b>Fields:</b> CustomerID	CustomerID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> CustomersCustContacts	CustomersCustContacts
	<b>Fields:</b> CustomerID	CustomerID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EmailName	EmailName
	<b>Fields:</b> EmailName	EmailName
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> LastName	LastName
	<b>Fields:</b> LastName	LastName
	<b>Type:</b> DuplicatesOK	DuplicatesOK

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## Table: Customers

	Microsoft Access	SQL Server
<b>Table Name:</b>	Customers	Customers
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	CustomerID	CustomerID
<b>Data Type:</b>	Text(5)	nvarchar(5)
<b>Field Name:</b>	CompanyName	CompanyName
<b>Data Type:</b>	Text(40)	nvarchar(40)
<b>Field Name:</b>	ContactName	ContactName
<b>Data Type:</b>	Text(30)	nvarchar(30)
<b>Field Name:</b>	ContactTitle	ContactTitle
<b>Data Type:</b>	Text(30)	nvarchar(30)
<b>Field Name:</b>	Address	Address
<b>Data Type:</b>	Text(60)	nvarchar(60)
<b>Field Name:</b>	City	City
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	Region	Region
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	PostalCode	PostalCode
<b>Data Type:</b>	Text(10)	nvarchar(10)
<b>Field Name:</b>	Country	Country
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	Phone	Phone
<b>Data Type:</b>	Text(24)	nvarchar(24)
<b>Field Name:</b>	Fax	Fax
<b>Data Type:</b>	Text(24)	nvarchar(24)

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Indexes	Microsoft Access	SQL Server
<b>Name:</b>	City	City
<b>Fields:</b>	City	City

<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	CompanyName	CompanyName
<b>Fields:</b>	CompanyName	CompanyName
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	PostalCode	PostalCode
<b>Fields:</b>	PostalCode	PostalCode
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	Region	Region
<b>Fields:</b>	Region	Region
<b>Type:</b>	DuplicatesOK	DuplicatesOK

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## Table: Employees

	Microsoft Access	SQL Server
<b>Table Name:</b>	Employees	Employees
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

*Timestamp field added to SQL Server table.*

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	EmployeeID	EmployeeID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	LastName	LastName
<b>Data Type:</b>	Text(20)	nvarchar(20)
<b>Field Name:</b>	FirstName	FirstName
<b>Data Type:</b>	Text(10)	nvarchar(10)
<b>Field Name:</b>	Title	Title
<b>Data Type:</b>	Text(30)	nvarchar(30)
<b>Field Name:</b>	TitleOfCourtesy	TitleOfCourtesy
<b>Data Type:</b>	Text(25)	nvarchar(25)
<b>Field Name:</b>	BirthDate	BirthDate
<b>Data Type:</b>	Date/Time	datetime
<b>Validation Rule:</b>	<Date()	ALTER TABLE [Employees] ADD CONSTRAINT [CK Employees BirthDate] CHECK (BirthDate<convert(datetime,convert(varchar ,getdate()),1),1)) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Birth date can't be in the future.', N'user', N'dbo', N'table', N'Employees', N'constraint', N'CK Employees BirthDate'
<b>Field Name:</b>	HireDate	HireDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	Address	Address
<b>Data Type:</b>	Text(60)	nvarchar(60)
<b>Field Name:</b>	City	City
<b>Data Type:</b>	Text(15)	nvarchar(15)

<b>Field Name:</b> Region	Region
<b>Data Type:</b> Text(15)	nvarchar(15)
<b>Field Name:</b> PostalCode	PostalCode
<b>Data Type:</b> Text(10)	nvarchar(10)
<b>Field Name:</b> Country	Country
<b>Data Type:</b> Text(15)	nvarchar(15)
<b>Field Name:</b> HomePhone	HomePhone
<b>Data Type:</b> Text(24)	nvarchar(24)
<b>Field Name:</b> Extension	Extension
<b>Data Type:</b> Text(4)	nvarchar(4)
<b>Field Name:</b> Photo	Photo
<b>Data Type:</b> Text(255)	nvarchar(255)
<b>Field Name:</b> PhotoOLE	PhotoOLE
<b>Data Type:</b> OLE Object	image
<b>Field Name:</b> Notes	Notes
<b>Data Type:</b> Memo	text
<b>Field Name:</b> ReportsTo	ReportsTo
<b>Data Type:</b> Number (Long)	int

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## Indexes

### Microsoft Access

**Name:** LastName  
**Fields:** LastName  
**Type:** DuplicatesOK

**Name:** PostalCode  
**Fields:** PostalCode  
**Type:** DuplicatesOK

### SQL Server

LastName  
 LastName  
 DuplicatesOK

PostalCode  
 PostalCode  
 DuplicatesOK



## Table: HRActions

	Microsoft Access	SQL Server
<b>Table Name:</b>	HRActions	HRActions
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>	[EffectiveDate]>=[ScheduledDate] Or [EffectiveDate] Is Null	Not Exported
	<i>Timestamp field added to SQL Server table.</i>	

Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	EmployeeID	EmployeeID
<b>Data Type:</b>	Number (Long)	int
<b>Validation Rule:</b>	>0	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions EmployeeID] CHECK (EmployeeID>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Please enter a valid employee ID number.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions EmployeeID'
<b>Field Name:</b>	ActionType	ActionType
<b>Data Type:</b>	Text(50)	nvarchar(50)
<b>Validation Rule:</b>	In ("H","Q","Y","S","R","B","C","T")	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions ActionType] CHECK (ActionType In ( 'H','Q','Y','S','R','B','C','T')) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Only H, Q, Y, S, R, B, C and T codes are valid.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions ActionType'
<b>Field Name:</b>	InitiatedBy	InitiatedBy
<b>Data Type:</b>	Number (Long)	int
<b>Validation Rule:</b>	>0	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions InitiatedBy] CHECK (InitiatedBy>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Please enter a valid supervisor ID number.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions InitiatedBy'

<b>Field Name:</b> ScheduledDate	ScheduledDate
<b>Data Type:</b> Date/Time	datetime
<b>Validation Rule:</b> Between Date()-3650 And Date()+365	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions ScheduledDate] CHECK (ScheduledDate Between convert(datetime,convert(varchar,getdate()),1 ),1)-3650 And convert(datetime,convert(varchar,getdate()),1 ),1)+365) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Scheduled dates can't be more than 10 years ago or more than one year from now.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions ScheduledDate'
<b>Field Name:</b> ApprovedBy	ApprovedBy
<b>Data Type:</b> Number (Long)	int
<b>Validation Rule:</b> >0 Or Is Null	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions ApprovedBy] CHECK (ApprovedBy>0 Or ApprovedBy Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Enter a valid manager ID number or leave blank if not approved.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions ApprovedBy'
<b>Field Name:</b> EffectiveDate	EffectiveDate
<b>Data Type:</b> Date/Time	datetime
<b>Field Name:</b> HRRating	HRRating
<b>Data Type:</b> Byte	smallint
<b>Validation Rule:</b> Between 0 And 9 Or Is Null	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions HRRating] CHECK (HRRating Between 0 And 9 Or HRRating Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Rating range is 0 for terminated employees, 1 to 9, or blank.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions HRRating'
<b>Field Name:</b> NewSalary	NewSalary
<b>Data Type:</b> Currency	money
<b>Field Name:</b> NewRate	NewRate
<b>Data Type:</b> Currency	money
<b>Validation Rule:</b> >5.5 Or Is Null	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions NewRate] CHECK (NewRate>5.5 Or NewRate Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Hourly rate must be more than the minimum wage.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions NewRate'

<b>Field Name:</b> NewBonus	NewBonus
<b>Data Type:</b> Currency	money
<b>Field Name:</b> NewCommission	NewCommission
<b>Data Type:</b> Number (Single)	real
<b>Validation Rule:</b> <=0.1 Or Is Null	ALTER TABLE [HRActions] ADD CONSTRAINT [CK HRActions NewCommission] CHECK (NewCommission<=0.1 Or NewCommission Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Commission rate can't exceed 10%.', N'user', N'dbo', N'table', N'HRActions', N'constraint', N'CK HRActions NewCommission'
<b>Field Name:</b> HRComments	HRComments
<b>Data Type:</b> Memo	text

Indexes	Microsoft Access	SQL Server
	<b>Name:</b> ActionTypeEffDate	ActionTypeEffDate
	<b>Fields:</b> ActionType, EffectiveDate	ActionType, EffectiveDate
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EffectiveDate	EffectiveDate
	<b>Fields:</b> EffectiveDate	EffectiveDate
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EmployeesHRActions	EmployeesHRActions
	<b>Fields:</b> EmployeeID	EmployeeID
	<b>Type:</b> DuplicatesOK	DuplicatesOK

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## Table: Order Details

	Microsoft Access	SQL Server
<b>Table Name:</b>	Order Details	Order Details
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

*Timestamp field added to SQL Server table.*

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	OrderID	OrderID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	ProductID	ProductID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	UnitPrice	UnitPrice
<b>Data Type:</b>	Currency	money
<b>Validation Rule:</b>	>=0	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details UnitPrice] CHECK (UnitPrice>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details UnitPrice'
<b>Field Name:</b>	Quantity	Quantity
<b>Data Type:</b>	Number (Integer)	smallint
<b>Validation Rule:</b>	>0	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details Quantity] CHECK (Quantity>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Quantity must be greater than 0', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details Quantity'
<b>Field Name:</b>	Discount	Discount
<b>Data Type:</b>	Number (Single)	real
<b>Validation Rule:</b>	Between 0 And 1	ALTER TABLE [Order Details] ADD CONSTRAINT [CK Order Details Discount] CHECK (Discount Between 0 And 1) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a value with a percent sign.', N'user', N'dbo', N'table', N'Order Details', N'constraint', N'CK Order Details Discount'

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Indexes	Microsoft Access	SQL Server
<b>Name:</b>	OrderID	OrderID

<b>Fields:</b> OrderID	OrderID
<b>Type:</b> DuplicatesOK	DuplicatesOK
<b>Name:</b> OrdersOrder Details	"OrdersOrder Details"
<b>Fields:</b> OrderID	OrderID
<b>Type:</b> DuplicatesOK	DuplicatesOK
<b>Name:</b> ProductID	ProductID
<b>Fields:</b> ProductID	ProductID
<b>Type:</b> DuplicatesOK	DuplicatesOK
<b>Name:</b> ProductsOrder Details	"ProductsOrder Details"
<b>Fields:</b> ProductID	ProductID
<b>Type:</b> DuplicatesOK	DuplicatesOK

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## Table: Orders

	Microsoft Access	SQL Server
<b>Table Name:</b>	Orders	Orders
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	OrderID	OrderID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	CustomerID	CustomerID
<b>Data Type:</b>	Text(5)	nvarchar(5)
<b>Field Name:</b>	EmployeeID	EmployeeID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	OrderDate	OrderDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	RequiredDate	RequiredDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	ShippedDate	ShippedDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	ShipVia	ShipVia
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	Freight	Freight
<b>Data Type:</b>	Currency	money
<b>Field Name:</b>	ShipName	ShipName
<b>Data Type:</b>	Text(40)	nvarchar(40)
<b>Field Name:</b>	ShipAddress	ShipAddress
<b>Data Type:</b>	Text(60)	nvarchar(60)
<b>Field Name:</b>	ShipCity	ShipCity
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	ShipRegion	ShipRegion
<b>Data Type:</b>	Text(15)	nvarchar(15)

<b>Field Name:</b> ShipPostalCode	ShipPostalCode
<b>Data Type:</b> Text(10)	nvarchar(10)
<b>Field Name:</b> ShipCountry	ShipCountry
<b>Data Type:</b> Text(15)	nvarchar(15)

Indexes	Microsoft Access	SQL Server
	<b>Name:</b> CustomerID	CustomerID
	<b>Fields:</b> CustomerID	CustomerID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> CustomersOrders	CustomersOrders
	<b>Fields:</b> CustomerID	CustomerID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EmployeeID	EmployeeID
	<b>Fields:</b> EmployeeID	EmployeeID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EmployeesOrders	EmployeesOrders
	<b>Fields:</b> EmployeeID	EmployeeID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> OrderDate	OrderDate
	<b>Fields:</b> OrderDate	OrderDate
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> ShippedDate	ShippedDate
	<b>Fields:</b> ShippedDate	ShippedDate
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> ShippersOrders	ShippersOrders
	<b>Fields:</b> ShipVia	ShipVia
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> ShipPostalCode	ShipPostalCode
	<b>Fields:</b> ShipPostalCode	ShipPostalCode
	<b>Type:</b> DuplicatesOK	DuplicatesOK

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## Table: Products

	Microsoft Access	SQL Server
<b>Table Name:</b>	Products	Products
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	ProductID	ProductID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	ProductName	ProductName
<b>Data Type:</b>	Text(40)	nvarchar(40)
<b>Field Name:</b>	SupplierID	SupplierID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	CategoryID	CategoryID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	QuantityPerUnit	QuantityPerUnit
<b>Data Type:</b>	Text(20)	nvarchar(20)
<b>Field Name:</b>	UnitPrice	UnitPrice
<b>Data Type:</b>	Currency	money
<b>Validation Rule:</b>	>=0	ALTER TABLE [Products] ADD CONSTRAINT [CK Products UnitPrice] CHECK (UnitPrice>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Products', N'constraint', N'CK Products UnitPrice'
<b>Field Name:</b>	UnitsInStock	UnitsInStock
<b>Data Type:</b>	Number (Integer)	smallint
<b>Validation Rule:</b>	>=0	ALTER TABLE [Products] ADD CONSTRAINT [CK Products UnitsInStock] CHECK (UnitsInStock>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Products', N'constraint', N'CK Products UnitsInStock'



<b>Field Name:</b> UnitsOnOrder	UnitsOnOrder
<b>Data Type:</b> Number (Integer)	smallint
<b>Validation Rule:</b> >=0	ALTER TABLE [Products] ADD CONSTRAINT [CK Products UnitsOnOrder] CHECK (UnitsOnOrder>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Products', N'constraint', N'CK Products UnitsOnOrder'
<b>Field Name:</b> ReorderLevel	ReorderLevel
<b>Data Type:</b> Number (Integer)	smallint
<b>Validation Rule:</b> >=0	ALTER TABLE [Products] ADD CONSTRAINT [CK Products ReorderLevel] CHECK (ReorderLevel>=0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'You must enter a positive number.', N'user', N'dbo', N'table', N'Products', N'constraint', N'CK Products ReorderLevel'
<b>Field Name:</b> Discontinued	Discontinued
<b>Data Type:</b> Yes/No	bit

Indexes	Microsoft Access	SQL Server
<b>Name:</b> CategoriesProducts	CategoriesProducts	CategoriesProducts
<b>Fields:</b> CategoryID	CategoryID	CategoryID
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK
<b>Name:</b> CategoryID	CategoryID	CategoryID
<b>Fields:</b> CategoryID	CategoryID	CategoryID
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK
<b>Name:</b> ProductName	ProductName	ProductName
<b>Fields:</b> ProductName	ProductName	ProductName
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK
<b>Name:</b> SupplierID	SupplierID	SupplierID
<b>Fields:</b> SupplierID	SupplierID	SupplierID
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK
<b>Name:</b> SuppliersProducts	SuppliersProducts	SuppliersProducts
<b>Fields:</b> SupplierID	SupplierID	SupplierID
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK

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## Table: ShipAddresses

	Microsoft Access	SQL Server
<b>Table Name:</b>	ShipAddresses	ShipAddresses
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

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Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	CustomerID	CustomerID
<b>Data Type:</b>	Text(5)	nvarchar(5)
<b>Field Name:</b>	ShipName	ShipName
<b>Data Type:</b>	Text(255)	nvarchar(255)
<b>Field Name:</b>	ShipAddress	ShipAddress
<b>Data Type:</b>	Text(255)	nvarchar(255)
<b>Field Name:</b>	ShipCity	ShipCity
<b>Data Type:</b>	Text(255)	nvarchar(255)
<b>Field Name:</b>	ShipRegion	ShipRegion
<b>Data Type:</b>	Text(255)	nvarchar(255)
<b>Field Name:</b>	ShipPostalCode	ShipPostalCode
<b>Data Type:</b>	Text(255)	nvarchar(255)
<b>Field Name:</b>	ShipCountry	ShipCountry
<b>Data Type:</b>	Text(255)	nvarchar(255)

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## Table: Shippers

	Microsoft Access	SQL Server
Table Name:	Shippers	Shippers
Attached Table Name:		
Aliasing Query:		
Validation Rule:		

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Fields	Microsoft Access	SQL Server
Field Name:	ShipperID	ShipperID
Data Type:	Number (Long)	int
Field Name:	CompanyName	CompanyName
Data Type:	Text(40)	nvarchar(40)
Field Name:	Phone	Phone
Data Type:	Text(24)	nvarchar(24)

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## Table: SuppContacts

### Microsoft Access

**Table Name:** SuppContacts

**Attached Table Name:**

**Aliasing Query:**

**Validation Rule:**

### SQL Server

SuppContacts

*Timestamp field added to SQL Server table.*

---

## Fields

### Microsoft Access

### SQL Server

**Field Name:** ContactID

ContactID

**Data Type:** Number (Long)

int

**Field Name:** SupplierID

SupplierID

**Data Type:** Number (Long)

int

**Field Name:** FirstName

FirstName

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** LastName

LastName

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** Dear

Dear

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** Title

Title

**Data Type:** Text(50)

nvarchar(50)

**Field Name:** WorkPhone

WorkPhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** WorkExtension

WorkExtension

**Data Type:** Text(20)

nvarchar(20)

**Field Name:** HomePhone

HomePhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** MobilePhone

MobilePhone

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** FaxNumber

FaxNumber

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** EmailName

EmailName

**Data Type:** Text(50)

nvarchar(50)

<b>Field Name:</b> LastMeetingDate	LastMeetingDate
<b>Data Type:</b> Date/Time	datetime
<b>Field Name:</b> ContactTypeID	ContactTypeID
<b>Data Type:</b> Number (Long)	int
<b>Field Name:</b> ReferredBy	ReferredBy
<b>Data Type:</b> Text(50)	nvarchar(50)
<b>Field Name:</b> Notes	Notes
<b>Data Type:</b> Memo	text

---

<b>Indexes</b>	<b>Microsoft Access</b>	<b>SQL Server</b>
	<b>Name:</b> ContactTypeID	ContactTypeID
	<b>Fields:</b> ContactTypeID	ContactTypeID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> EmailName	EmailName
	<b>Fields:</b> EmailName	EmailName
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> LastName	LastName
	<b>Fields:</b> LastName	LastName
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> SupplierID	SupplierID
	<b>Fields:</b> SupplierID	SupplierID
	<b>Type:</b> DuplicatesOK	DuplicatesOK
	<b>Name:</b> SuppliersSuppContacts	SuppliersSuppContacts
	<b>Fields:</b> SupplierID	SupplierID
	<b>Type:</b> DuplicatesOK	DuplicatesOK

---

## Table: Suppliers

### Microsoft Access

**Table Name:** Suppliers

**Attached Table Name:**

**Aliasing Query:**

**Validation Rule:**

### SQL Server

Suppliers

*Timestamp field added to SQL Server table.*

---

## Fields

### Microsoft Access

### SQL Server

**Field Name:** SupplierID

SupplierID

**Data Type:** Number (Long)

int

**Field Name:** CompanyName

CompanyName

**Data Type:** Text(40)

nvarchar(40)

**Field Name:** ContactName

ContactName

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** ContactTitle

ContactTitle

**Data Type:** Text(30)

nvarchar(30)

**Field Name:** Address

Address

**Data Type:** Text(60)

nvarchar(60)

**Field Name:** City

City

**Data Type:** Text(15)

nvarchar(15)

**Field Name:** Region

Region

**Data Type:** Text(15)

nvarchar(15)

**Field Name:** PostalCode

PostalCode

**Data Type:** Text(10)

nvarchar(10)

**Field Name:** Country

Country

**Data Type:** Text(15)

nvarchar(15)

**Field Name:** Phone

Phone

**Data Type:** Text(24)

nvarchar(24)

**Field Name:** Fax

Fax

**Data Type:** Text(24)

nvarchar(24)

**Field Name:** HomePage

HomePage

**Data Type:** Memo

text

---

## Indexes

### Microsoft Access

**Name:** CompanyName

**Fields:** CompanyName

**Type:** DuplicatesOK

**Name:** PostalCode

**Fields:** PostalCode

**Type:** DuplicatesOK

### SQL Server

CompanyName

CompanyName

DuplicatesOK

PostalCode

PostalCode

DuplicatesOK

---

## Table: tblHRLookup

	Microsoft Access	SQL Server
<b>Table Name:</b>	tblHRLookup	tblHRLookup
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>	[EffectiveDate]>=[ScheduledDate] Or [EffectiveDate] Is Null	Not Exported
	<i>Timestamp field added to SQL Server table.</i>	

---

Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	EmployeeID	EmployeeID
<b>Data Type:</b>	Number (Long)	int
<b>Validation Rule:</b>	>0	ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup EmployeeID] CHECK (EmployeeID>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Please enter a valid employee ID number.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup EmployeeID'
<b>Field Name:</b>	ActionType	ActionType
<b>Data Type:</b>	Text(50)	nvarchar(50)
<b>Validation Rule:</b>	In ("H","Q","Y","S","R","B","C","T")	ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup ActionType] CHECK (ActionType In ( 'H','Q','Y','S','R','B','C','T' ) ) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Only H, Q, Y, S, R, B, C and T codes are valid.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup ActionType'
<b>Field Name:</b>	InitiatedBy	InitiatedBy
<b>Data Type:</b>	Number (Long)	int
<b>Validation Rule:</b>	>0	ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup InitiatedBy] CHECK (InitiatedBy>0) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Please enter a valid supervisor ID number.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup InitiatedBy'



<b>Field Name:</b> ScheduledDate	ScheduledDate
<b>Data Type:</b> Date/Time	datetime
<b>Validation Rule:</b> Between Date()-3650 And Date()+365	<pre> ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup ScheduledDate] CHECK (ScheduledDate Between convert(datetime,convert(varchar,getdate()),1 ),1)-3650 And convert(datetime,convert(varchar,getdate()),1 ),1)+365) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Scheduled dates can't be more than 10 years ago or more than one year from now.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup ScheduledDate' </pre>
<b>Field Name:</b> ApprovedBy	ApprovedBy
<b>Data Type:</b> Number (Long)	int
<b>Validation Rule:</b> >0 Or Is Null	<pre> ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup ApprovedBy] CHECK (ApprovedBy&gt;0 Or ApprovedBy Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Enter a valid manager ID number or leave blank if not approved.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup ApprovedBy' </pre>
<b>Field Name:</b> EffectiveDate	EffectiveDate
<b>Data Type:</b> Date/Time	datetime
<b>Field Name:</b> HRRating	HRRating
<b>Data Type:</b> Byte	smallint
<b>Validation Rule:</b> Between 0 And 9 Or Is Null	<pre> ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup HRRating] CHECK (HRRating Between 0 And 9 Or HRRating Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Rating range is 0 for terminated employees, 1 to 9, or blank.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup HRRating' </pre>
<b>Field Name:</b> NewSalary	NewSalary
<b>Data Type:</b> Currency	money

<b>Field Name:</b> NewRate	NewRate
<b>Data Type:</b> Currency	money
<b>Validation Rule:</b> >5.5 Or Is Null	ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup NewRate] CHECK (NewRate>5.5 Or NewRate Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Hourly rate must be more than the minimum wage.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup NewRate'
<b>Field Name:</b> NewBonus	NewBonus
<b>Data Type:</b> Currency	money
<b>Field Name:</b> NewCommission	NewCommission
<b>Data Type:</b> Number (Single)	real
<b>Validation Rule:</b> <=0.1 Or Is Null	ALTER TABLE [tblHRLookup] ADD CONSTRAINT [CK tblHRLookup NewCommission] CHECK (NewCommission<=0.1 Or NewCommission Is Null) EXEC sp_addextendedproperty N'MS_ConstraintText', N'Commission rate can't exceed 10%.', N'user', N'dbo', N'table', N'tblHRLookup', N'constraint', N'CK tblHRLookup NewCommission'
<b>Field Name:</b> HRComments	HRComments
<b>Data Type:</b> Memo	text

Indexes	Microsoft Access	SQL Server
<b>Name:</b> ActionTypeEffDate	ActionTypeEffDate	ActionTypeEffDate
<b>Fields:</b> ActionType, EffectiveDate	ActionType, EffectiveDate	ActionType, EffectiveDate
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK
<b>Name:</b> EffectiveDate	EffectiveDate	EffectiveDate
<b>Fields:</b> EffectiveDate	EffectiveDate	EffectiveDate
<b>Type:</b> DuplicatesOK	DuplicatesOK	DuplicatesOK

---

## Table: tblOrderDetails

### Microsoft Access

**Table Name:** tblOrderDetails

**Attached Table Name:**

**Aliasing Query:**

**Validation Rule:**

*Timestamp field added to SQL Server table.*

### SQL Server

tblOrderDetails

---

## Fields

### Microsoft Access

**Field Name:** OrderID

**Data Type:** Number (Long)

**Field Name:** ProductID

**Data Type:** Number (Long)

**Field Name:** UnitPrice

**Data Type:** Currency

**Validation Rule:** >=0

**Field Name:** Quantity

**Data Type:** Number (Integer)

**Validation Rule:** >0

**Field Name:** Discount

**Data Type:** Number (Single)

**Validation Rule:** Between 0 And 1

### SQL Server

OrderID

int

ProductID

int

UnitPrice

money

ALTER TABLE [tblOrderDetails] ADD  
CONSTRAINT [CK tblOrderDetails UnitPrice]  
CHECK (UnitPrice>=0)  
EXEC sp\_addextendedproperty  
N'MS\_ConstraintText', N'You must enter a  
positive number.', N'user', N'dbo', N'table',  
N'tblOrderDetails', N'constraint', N'CK  
tblOrderDetails UnitPrice'

Quantity

smallint

ALTER TABLE [tblOrderDetails] ADD  
CONSTRAINT [CK tblOrderDetails Quantity]  
CHECK (Quantity>0)  
EXEC sp\_addextendedproperty  
N'MS\_ConstraintText', N'Quantity must be  
greater than 0', N'user', N'dbo', N'table',  
N'tblOrderDetails', N'constraint', N'CK  
tblOrderDetails Quantity'

Discount

real

ALTER TABLE [tblOrderDetails] ADD  
CONSTRAINT [CK tblOrderDetails Discount]  
CHECK (Discount Between 0 And 1)  
EXEC sp\_addextendedproperty  
N'MS\_ConstraintText', N'You must enter a  
value with a percent sign.', N'user', N'dbo',  
N'table', N'tblOrderDetails', N'constraint',  
N'CK tblOrderDetails Discount'

---

## Indexes

### Microsoft Access

**Name:** OrderID

### SQL Server

OrderID

<b>Fields:</b> OrderID	OrderID
<b>Type:</b> DuplicatesOK	DuplicatesOK
<b>Name:</b> ProductID	ProductID
<b>Fields:</b> ProductID	ProductID
<b>Type:</b> DuplicatesOK	DuplicatesOK
<b>Name:</b> tblOrderstblOrderDetails	tblOrderstblOrderDetails
<b>Fields:</b> OrderID	OrderID
<b>Type:</b> DuplicatesOK	DuplicatesOK

---

## Table: tblOrders

	Microsoft Access	SQL Server
<b>Table Name:</b>	tblOrders	tblOrders
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

---

Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	OrderID	OrderID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	CustomerID	CustomerID
<b>Data Type:</b>	Text(5)	nvarchar(5)
<b>Field Name:</b>	EmployeeID	EmployeeID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	OrderDate	OrderDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	RequiredDate	RequiredDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	ShippedDate	ShippedDate
<b>Data Type:</b>	Date/Time	datetime
<b>Field Name:</b>	ShipToID	ShipToID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	ShipVia	ShipVia
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	Freight	Freight
<b>Data Type:</b>	Currency	money

---

Indexes	Microsoft Access	SQL Server
<b>Name:</b>	CustomerID	CustomerID
<b>Fields:</b>	CustomerID	CustomerID
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	EmployeeID	EmployeeID
<b>Fields:</b>	EmployeeID	EmployeeID
<b>Type:</b>	DuplicatesOK	DuplicatesOK

<b>Name:</b>	OrderDate	OrderDate
<b>Fields:</b>	OrderDate	OrderDate
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	ShippedDate	ShippedDate
<b>Fields:</b>	ShippedDate	ShippedDate
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	ShipToID	ShipToID
<b>Fields:</b>	ShipToID	ShipToID
<b>Type:</b>	DuplicatesOK	DuplicatesOK

---

## Table: tblShipAddresses

	Microsoft Access	SQL Server
<b>Table Name:</b>	tblShipAddresses	tblShipAddresses
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

---

Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	CustomerID	CustomerID
<b>Data Type:</b>	Text(5)	nvarchar(5)
<b>Field Name:</b>	ShipToID	ShipToID
<b>Data Type:</b>	Number (Long)	int
<b>Field Name:</b>	ShipName	ShipName
<b>Data Type:</b>	Text(40)	nvarchar(40)
<b>Field Name:</b>	ShipAddress	ShipAddress
<b>Data Type:</b>	Text(60)	nvarchar(60)
<b>Field Name:</b>	ShipCity	ShipCity
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	ShipRegion	ShipRegion
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	ShipPostalCode	ShipPostalCode
<b>Data Type:</b>	Text(10)	nvarchar(10)
<b>Field Name:</b>	ShipCountry	ShipCountry
<b>Data Type:</b>	Text(15)	nvarchar(15)

---

Indexes	Microsoft Access	SQL Server
<b>Name:</b>	CustomerID	CustomerID
<b>Fields:</b>	CustomerID	CustomerID
<b>Type:</b>	DuplicatesOK	DuplicatesOK
<b>Name:</b>	CustomerstblShipAddresses	CustomerstblShipAddresses
<b>Fields:</b>	CustomerID	CustomerID
<b>Type:</b>	DuplicatesOK	DuplicatesOK

---

## Table: tblUSMailList

	Microsoft Access	SQL Server
<b>Table Name:</b>	tblUSMailList	tblUSMailList
<b>Attached Table Name:</b>		
<b>Aliasing Query:</b>		
<b>Validation Rule:</b>		

---

Fields	Microsoft Access	SQL Server
<b>Field Name:</b>	Contact	Contact
<b>Data Type:</b>	Text(30)	nvarchar(30)
<b>Field Name:</b>	Company	Company
<b>Data Type:</b>	Text(40)	nvarchar(40)
<b>Field Name:</b>	Address	Address
<b>Data Type:</b>	Text(60)	nvarchar(60)
<b>Field Name:</b>	City	City
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	State	State
<b>Data Type:</b>	Text(15)	nvarchar(15)
<b>Field Name:</b>	ZIP	ZIP
<b>Data Type:</b>	Text(10)	nvarchar(10)

---

## Queries

<b>Query Nam</b>	Alphabetical List of Products
	This query is not upsizeable because it is a DISTINCTROW query.
<b>Query Nam</b>	Product Sales for 2006
	This query is not upsizeable because it is a DISTINCTROW query.



<b>Query Nam</b>	<p>Current Product List</p> <p>Upsized using SQL:</p> <pre>CREATE FUNCTION "Current Product List" () RETURNS TABLE AS RETURN (SELECT TOP 100 PERCENT "Product List".ProductID, "Product List".ProductName FROM Products AS "Product List" WHERE (((("Product List".Discontinued)=0)) ORDER BY "Product List".ProductName)</pre>
<b>Query Nam</b>	<p>Customers and Suppliers by City</p> <p>Upsized using SQL:</p> <pre>CREATE PROCEDURE "Customers and Suppliers by City" AS SELECT City, CompanyName, ContactName, 'Customers' AS Relationship FROM Customers UNION SELECT City, CompanyName, ContactName, 'Suppliers' AS _Suppliers_ FROM Suppliers ORDER BY City, CompanyName</pre>
<b>Query Nam</b>	<p>Order Subtotals</p> <p>Upsized using SQL:</p> <pre>CREATE VIEW "Order Subtotals" AS SELECT "Order Details".OrderID, sum(convert(money,UnitPrice*Quantity*(1-Discout)/100)*100) AS Subtotal FROM "Order Details" GROUP BY "Order Details".OrderID</pre>
<b>Query Nam</b>	<p>fltOrdersNorthAmerica</p> <p>Upsized using SQL:</p> <pre>CREATE FUNCTION fltOrdersNorthAmerica () RETURNS TABLE AS RETURN (SELECT TOP 100 PERCENT Orders.* FROM Orders WHERE (((Orders.ShipCountry)='USA') AND ((Orders.OrderDate)&gt;='1/1/1997')) OR (((Orders.ShipCountry)='Canada') AND ((Orders.OrderDate)&gt;='1/1/1997')) OR (((Orders.ShipCountry)='Mexico') AND ((Orders.OrderDate)&gt;='1/1/1997')) ORDER BY Orders.ShipCountry, Orders.OrderDate)</pre>
<b>Query Nam</b>	<p>Invoices</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p> <pre>CREATE FUNCTION fltOrdersNorthAmerica () RETURNS TABLE AS RETURN (SELECT TOP 100 PERCENT Orders.* FROM Orders WHERE (((Orders.ShipCountry)='USA') AND ((Orders.OrderDate)&gt;='1/1/1997')) OR (((Orders.ShipCountry)='Canada') AND ((Orders.OrderDate)&gt;='1/1/1997')) OR (((Orders.ShipCountry)='Mexico') AND ((Orders.OrderDate)&gt;='1/1/1997')) ORDER BY Orders.ShipCountry, Orders.OrderDate)</pre>

<b>Query Nam</b>	<p>Invoices Filter</p> <p>Failed to upsize. Attempted to use SQL:</p> <pre>CREATE FUNCTION "Invoices Filter" (@Forms___Orders___OrderID1 varchar (255) ) RETURNS TABLE AS RETURN (SELECT Invoices.* FROM Invoices WHERE (((Invoices.OrderID)=@Forms___Orders___OrderID1)))</pre>
<b>Query Nam</b>	<p>Order Details Extended</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p> <pre>CREATE FUNCTION "Invoices Filter" (@Forms___Orders___OrderID1 varchar (255) ) RETURNS TABLE AS RETURN (SELECT Invoices.* FROM Invoices WHERE (((Invoices.OrderID)=@Forms___Orders___OrderID1)))</pre>
<b>Query Nam</b>	<p>Employee Sales by Country</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p> <pre>CREATE FUNCTION "Invoices Filter" (@Forms___Orders___OrderID1 varchar (255) ) RETURNS TABLE AS RETURN (SELECT Invoices.* FROM Invoices WHERE (((Invoices.OrderID)=@Forms___Orders___OrderID1)))</pre>
<b>Query Nam</b>	<p>Orders Qry</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p> <pre>CREATE FUNCTION "Invoices Filter" (@Forms___Orders___OrderID1 varchar (255) ) RETURNS TABLE AS RETURN (SELECT Invoices.* FROM Invoices WHERE (((Invoices.OrderID)=@Forms___Orders___OrderID1)))</pre>
<b>Query Nam</b>	<p>Category Sales for 2006</p> <p>Failed to upsize. Attempted to use SQL:</p> <pre>CREATE VIEW "Category Sales for 2006" AS SELECT "Product Sales for 2006".CategoryName, sum("Product Sales for 2006".ProductSales) AS CategorySales FROM "Product Sales for 2006" GROUP BY "Product Sales for 2006".CategoryName</pre>

**Query Nam** Products Above Average Price

Upsized using SQL:

```
CREATE FUNCTION "Products Above Average Price" ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Products.ProductName, Products.UnitPrice
FROM Products
WHERE (((Products.UnitPrice)>(SELECT avg(UnitPrice) From Products)))
ORDER BY Products.UnitPrice DESC)
```

**Query Nam** Products by Category

This query is not upsizeable because it is a DISTINCTROW query.

```
CREATE FUNCTION "Products Above Average Price" ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Products.ProductName, Products.UnitPrice
FROM Products
WHERE (((Products.UnitPrice)>(SELECT avg(UnitPrice) From Products)))
ORDER BY Products.UnitPrice DESC)
```

**Query Nam** qry2006MonthlyCategoryOrdersCT

Crosstab queries cannot be upsized.

**Query Nam** qry2006MonthlyProductOrdersCT

Crosstab queries cannot be upsized.

**Query Nam** qry2006OrderDataPT

Failed to upsize. Attempted to use SQL:

```
CREATE VIEW qry2006OrderDataPT
AS
SELECT Employees.LastName AS Name, Orders.OrderDate AS Date, Orders.ShipCountry AS
Country, "Order Details Extended".ExtendedPrice AS Orders, Products.ProductName AS Product,
Categories.CategoryName AS Category
FROM Employees INNER JOIN (Categories INNER JOIN ((Orders INNER JOIN "Order Details
Extended" ON (Orders.OrderID="Order Details Extended".OrderID)) INNER JOIN Products ON
("Order Details Extended".ProductID=Products.ProductID)) ON
(Categories.CategoryID=Products.CategoryID)) ON (Employees.EmployeeID=Orders.EmployeeID)
```

**Query Nam** qry2006OrdersByCountryPT

Failed to upsize. Attempted to use SQL:

```
CREATE VIEW qry2006OrdersByCountryPT
AS
SELECT Employees.LastName, Orders.OrderID, Orders.OrderDate, Orders.ShipCountry,
format(OrderDate,'q') AS "2006 Quarter", "Order Subtotals".Subtotal
FROM Employees INNER JOIN (Orders INNER JOIN "Order Subtotals" ON (Orders.OrderID =
"Order Subtotals".OrderID)) ON (Employees.EmployeeID = Orders.EmployeeID)
WHERE (((Orders.OrderDate) Between '1/1/2006' And '12/31/2006'))
```

**Query Nam** qryCTWizSource

Failed to upsize. Attempted to use SQL:

```
CREATE VIEW qryCTWizSource
AS
SELECT Orders.OrderDate, "Order Details Extended".ProductID AS "_Order Details
Extended.ProductID_", "Order Details Extended".ProductName AS "_Order Details
Extended.ProductName_", "Order Details Extended".ExtendedPrice AS "_Order Details
Extended.ExtendedPrice_"
FROM Orders INNER JOIN "Order Details Extended" ON (Orders.OrderID = "Order Details
Extended".OrderID)
WHERE (((Orders.OrderDate) Between '1/1/2006' And '12/31/2006'))
```

**Query Nam** qry2006SalesChart

Upsized using SQL:

```
CREATE VIEW qry2006SalesChart
AS
SELECT Categories.CategoryName, convert(money,"Order Details".UnitPrice*"Order
Details".Quantity*(1-"Order Details".Discount)) AS Amount, Orders.ShippedDate
FROM (Categories INNER JOIN Products ON (Categories.CategoryID = Products.CategoryID))
INNER JOIN (Orders INNER JOIN "Order Details" ON (Orders.OrderID = "Order Details".OrderID))
ON (Products.ProductID = "Order Details".ProductID)
WHERE (((Orders.ShippedDate) Between '1/1/2006' And '12/31/2006 '))
```

**Query Nam** qry2006SalesChartCT

Crosstab queries cannot be upsize.

**Query Nam** qryAQtblShipAddresses

Upsized using SQL:

```
CREATE PROCEDURE qryAQtblShipAddresses
AS
INSERT INTO tblShipAddresses (CustomerID, ShipName, ShipAddress, ShipCity, ShipRegion,
ShipPostalCode, ShipCountry)
SELECT DISTINCT Customers.CustomerID, Orders.ShipName, Orders.ShipAddress, Orders.ShipCity,
Orders.ShipRegion, Orders.ShipPostalCode, Orders.ShipCountry
FROM Customers INNER JOIN Orders ON (Customers.CustomerID=Orders.CustomerID)
WHERE (((Orders.ShipName)<>Customers.CompanyName)) Or
(((Orders.ShipAddress)<>Customers.Address)) Or (((Orders.ShipCity)<>Customers.City))
```

**Query Nam** qry2006QuarterlyProductOrdersCT

Crosstab queries cannot be upsize.

**Query Nam** qryCustomersUSA

Upsized using SQL:

```
CREATE FUNCTION qryCustomersUSA ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Customers.ContactName, Customers.CompanyName,
Customers.Address, Customers.City, Customers.Region, Customers.PostalCode
FROM Customers
WHERE (((Customers.Country)='USA'))
ORDER BY Customers.PostalCode)
```

**Query Nam** qryDQOrders

Upsized using SQL:

```
CREATE PROCEDURE qryDQOrders
AS
DELETE
FROM Orders
WHERE (((Orders.CustomerID)='ERNSH') AND ((Orders.ShippedDate) Is Null))
```

**Query Nam** qryHRActions

Upsized using SQL:

```
CREATE FUNCTION qryHRActions ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT HRActions.*, Employees.LastName AS Expr1001,
Employees.FirstName AS Expr1002, Employees.Title AS Expr1003, Employees.HireDate AS
Expr1004, Employees.Extension AS Expr1005, Employees.ReportsTo AS Expr1006,
Employees.Notes AS Expr1007, Employees.PhotoOLE AS Expr1008
FROM Employees INNER JOIN HRActions ON (Employees.EmployeeID=HRActions.EmployeeID)
ORDER BY Employees.LastName)
```

**Query Nam** qryInventory

Upsized using SQL:

```
CREATE VIEW qryInventory
AS
SELECT Products.*
FROM Products
WHERE (((Products.Discontinued)=0))
```

**Query Nam** qryInventoryChart

Upsized using SQL:

```
CREATE VIEW qryInventoryChart
AS
SELECT Products.*, Categories.CategoryName AS Expr1001
FROM Categories INNER JOIN Products ON (Categories.CategoryID=Products.CategoryID)
WHERE (((Products.Discontinued)=0))
```

**Query Nam** qryLOJtblOrders

Upsized using SQL:

```
CREATE VIEW qryLOJtblOrders
AS
SELECT tblOrders.OrderID, tblOrders.CustomerID, tblOrders.EmployeeID, tblOrders.OrderDate,
tblOrders.RequiredDate, tblOrders.ShippedDate, tblOrders.ShipVia, tblOrders.Freight,
tblShipAddresses.ShipName, tblShipAddresses.ShipAddress, tblShipAddresses.ShipCity,
tblShipAddresses.ShipRegion, tblShipAddresses.ShipPostalCode, tblShipAddresses.ShipCountry
FROM tblOrders LEFT JOIN tblShipAddresses ON (tblOrders.ShipToID = tblShipAddresses.ShipToID)
```

**Query Nam** qryMonthlyOrders2006

Failed to upsize. Attempted to use SQL:

```
CREATE VIEW qryMonthlyOrders2006
AS
SELECT format(OrderDate,'yyyy-mm') AS Month, count("Order Subtotals".OrderID) AS
CountOfOrderID, sum("Order Subtotals".Subtotal) AS SumOfSubtotal, avg("Order
Subtotals".Subtotal) AS AvgOfSubtotal, min("Order Subtotals".Subtotal) AS MinOfSubtotal,
max("Order Subtotals".Subtotal) AS MaxOfSubtotal
FROM Orders INNER JOIN "Order Subtotals" ON (Orders.OrderID = "Order Subtotals".OrderID)
WHERE (((Orders.OrderDate) Between '1/1/2006' And '12/31/2006'))
GROUP BY format(OrderDate,'yyyy-mm')
```

**Query Nam** qryMonthlyOrdersParam

Failed to upsize. Attempted to use SQL:

```
CREATE FUNCTION qryMonthlyOrdersParam (@Enter_the_year_and_month_in_YY1 varchar (255)
)
RETURNS TABLE
AS RETURN (SELECT format(OrderDate,'yyyy-mm') AS Month, count("Order Subtotals".OrderID) AS
CountOfOrderID, sum("Order Subtotals".Subtotal) AS SumOfSubtotal, avg("Order
Subtotals".Subtotal) AS AvgOfSubtotal, min("Order Subtotals".Subtotal) AS MinOfSubtotal,
max("Order Subtotals".Subtotal) AS MaxOfSubtotal
FROM Orders INNER JOIN "Order Subtotals" ON (Orders.OrderID = "Order Subtotals".OrderID)
WHERE (((format(OrderDate,'yyyy-mm'))=@Enter_the_year_and_month_in_YY1))
GROUP BY format(OrderDate,'yyyy-mm'))
```

**Query Nam** qryMonthlySales2006

Failed to upsize. Attempted to use SQL:

```
CREATE VIEW qryMonthlySales2006
AS
SELECT format(OrderDate,'yyyy-mm') AS Month, count("Order Subtotals".OrderID) AS
CountOfOrderID, sum("Order Subtotals".Subtotal) AS SumOfSubtotal, avg("Order
Subtotals".Subtotal) AS AvgOfSubtotal, min("Order Subtotals".Subtotal) AS MinOfSubtotal,
max("Order Subtotals".Subtotal) AS MaxOfSubtotal
FROM Orders INNER JOIN "Order Subtotals" ON (Orders.OrderID = "Order Subtotals".OrderID)
WHERE (((Orders.OrderDate) Between '1/1/2006' And '12/31/2006'))
GROUP BY format(OrderDate,'yyyy-mm')
```

**Query Nam** qryMTtblShipAddresses

Upsized using SQL:

```
CREATE PROCEDURE qryMTtblShipAddresses
AS
SELECT DISTINCT Customers.CustomerID, Orders.ShipName, Orders.ShipAddress, Orders.ShipCity,
Orders.ShipRegion, Orders.ShipPostalCode, Orders.ShipCountry INTO tblShipAddresses
FROM Customers INNER JOIN Orders ON (Customers.CustomerID=Orders.CustomerID)
WHERE (((Orders.ShipName)<>Customers.CompanyName)) Or
(((Orders.ShipAddress)<>Customers.Address)) Or (((Orders.ShipCity)<>Customers.City))
```

**Query Nam** qryOakmontPTTest (2,350 rows)

Queries that refer to tables in other databases cannot be upsize.

**Query Nam** qryOakmontPTTest (52 Rows)

Queries that refer to tables in other databases cannot be upsize.

**Query Nam** qryOakmontPTTest (60,000 rows)  
Queries that refer to tables in other databases cannot be upsized.

**Query Nam** qryOakmontSections  
Queries that refer to tables in other databases cannot be upsized.

**Query Nam** qryOrderAmount  
Failed to upsize. Attempted to use SQL:  
  
CREATE FUNCTION qryOrderAmount ()  
RETURNS TABLE  
AS RETURN (SELECT TOP 100 PERCENT Customers.CompanyName, Customers.PostalCode,  
Customers.Country, Orders.OrderID, Orders.OrderDate, sum(convert(money,UnitPrice\*Quantity\*(1-  
Discount))) AS Amount, Orders.Freight, format(Freight/Amount,'Percent') AS FreightPct  
FROM (Customers INNER JOIN Orders ON (Customers.CustomerID = Orders.CustomerID)) INNER  
JOIN "Order Details" ON (Orders.OrderID = "Order Details".OrderID)  
GROUP BY Customers.CompanyName, Customers.PostalCode, Customers.Country, Orders.OrderID,  
Orders.OrderDate, Orders.Freight  
ORDER BY Orders.OrderID)

**Query Nam** qryOrderAmountsRecentTop5%  
Upsized using SQL:  
  
CREATE VIEW "qryOrderAmountsRecentTop5%"  
AS  
SELECT TOP 5 PERCENT Customers.CompanyName, Orders.OrderID, Orders.OrderDate, "Order  
Subtotals".Subtotal, Orders.Freight  
FROM Customers INNER JOIN (Orders INNER JOIN "Order Subtotals" ON (Orders.OrderID =  
"Order Subtotals".OrderID)) ON (Customers.CustomerID = Orders.CustomerID)  
ORDER BY Orders.OrderDate DESC

**Query Nam** qryOrderDetails  
Upsized using SQL:  
  
CREATE VIEW qryOrderDetails  
AS  
SELECT "Order Details".\*  
FROM "Order Details"

**Query Nam** qryOrdersAggregates  
Upsized using SQL:  
  
CREATE VIEW qryOrdersAggregates  
AS  
SELECT count("Order Subtotals".OrderID) AS CountOfOrderID, sum("Order Subtotals".Subtotal) AS  
SumOfSubtotal, avg("Order Subtotals".Subtotal) AS AvgOfSubtotal, min("Order Subtotals".Subtotal)  
AS MinOfSubtotal, max("Order Subtotals".Subtotal) AS MaxOfSubtotal  
FROM "Order Subtotals"

**Query Nam** qryOrdersByCountry&Category

Upsized using SQL:

```
CREATE FUNCTION "qryOrdersByCountry&Category" ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Customers.Country, Categories.CategoryName,
sum(convert(money,"Order Details".UnitPrice*Quantity*(1-Discunt))) AS Amount
FROM (Categories INNER JOIN Products ON (Categories.CategoryID=Products.CategoryID)) INNER
JOIN ((Customers INNER JOIN Orders ON (Customers.CustomerID=Orders.CustomerID)) INNER
JOIN "Order Details" ON (Orders.OrderID="Order Details".OrderID)) ON
(Products.ProductID="Order Details".ProductID)
GROUP BY Customers.Country, Categories.CategoryName
ORDER BY Categories.CategoryName)
```

**Query Nam** qryOrdersSummary

This query is not upsizeable

**Query Nam** qryOrdersWHEREClause

Upsized using SQL:

```
CREATE FUNCTION qryOrdersWHEREClause ()
RETURNS TABLE
AS RETURN (SELECT TOP 100 PERCENT Customers.Country, Categories.CategoryName,
sum(convert(money,"Order Details".UnitPrice*Quantity*(1-Discunt))) AS Amount
FROM Categories, Products, "Order Details", Orders, Customers
WHERE Categories.CategoryID=Products.CategoryID And
Customers.CustomerID=Orders.CustomerID And Orders.OrderID="Order Details".OrderID And
Products.ProductID="Order Details".ProductID
GROUP BY Customers.Country, Categories.CategoryName
ORDER BY Categories.CategoryName)
```

**Query Nam** qryQuarterlyOrdersByProductParam

Crosstab queries cannot be upsizeable.

**Query Nam** qryShipAddressesUnion

Upsized using SQL:

```
CREATE PROCEDURE qryShipAddressesUnion
AS
SELECT tblOrders.OrderID, tblOrders.CustomerID, tblOrders.EmployeeID, tblOrders.OrderDate,
tblOrders.RequiredDate, tblOrders.ShippedDate, tblOrders.ShipVia, tblOrders.Freight,
tblShipAddresses.ShipName, tblShipAddresses.ShipAddress, tblShipAddresses.ShipCity,
tblShipAddresses.ShipRegion, tblShipAddresses.ShipPostalCode, tblShipAddresses.ShipCountry
FROM tblOrders INNER JOIN tblShipAddresses ON (tblOrders.ShipToID =
tblShipAddresses.ShipToID) UNION SELECT tblOrders.OrderID, tblOrders.CustomerID,
tblOrders.EmployeeID, tblOrders.OrderDate, tblOrders.RequiredDate, tblOrders.ShippedDate,
tblOrders.ShipVia, tblOrders.Freight, 'Same as Bill To' AS "___Same as Bill To___", '' AS "___", ''
AS "___", '' AS "___", '' AS "___", '' AS "___"
FROM tblOrders
WHERE tblOrders.ShipToID = 0
```



**Query Nam** qryShipBillAddresses

Upsized using SQL:

```
CREATE VIEW qryShipBillAddresses
AS
SELECT DISTINCT Customers.CompanyName, Customers.Address, Orders.ShipAddress
FROM Customers INNER JOIN Orders ON (Customers.Address = Orders.ShipAddress)
```

**Query Nam** qryShortOrders

Upsized using SQL:

```
CREATE VIEW qryShortOrders
AS
SELECT Orders.OrderID, Orders.CustomerID, Orders.OrderDate, Orders.ShippedDate,
Orders.ShipVia
FROM Orders
```

**Query Nam** qryStateMailList

Failed to upsize. Attempted to use SQL:

```
CREATE PROCEDURE qryStateMailList
AS
SELECT Customers.ContactName AS Contact, Customers.CompanyName AS Company,
Customers.Address, Customers.City, Customers.Region AS State, Customers.PostalCode AS ZIP
INTO tblUSMailList
FROM Customers
WHERE Customers.Country="Enter the country name:" And (Customers.Region="Enter the state
code:" Or Customers.Region Is Null)
```

**Query Nam** qrySubQuery

Upsized using SQL:

```
CREATE VIEW qrySubQuery
AS
SELECT Customers.CompanyName, Customers.ContactName, Customers.ContactTitle,
Customers.Phone
FROM Customers
WHERE (((Customers.CustomerID) In (SELECT CustomerID FROM Orders WHERE OrderDate
BETWEEN '1/1/1997' AND '6/30/1997')))
```

**Query Nam** qryUDtblOrders0

Upsized using SQL:

```
CREATE PROCEDURE qryUDtblOrders0
AS
UPDATE tblOrders SET tblOrders.ShipToID = 0
FROM tblOrders
WHERE (((tblOrders.ShipToID) Is Null))
```

**Query Nam** qryUnionQuery

Upsized using SQL:

```
CREATE PROCEDURE qryUnionQuery
AS
SELECT City, CompanyName, ContactName, CustomerID AS Code, 'Customer' AS Relationship
FROM Customers UNION SELECT City, CompanyName, ContactName, SupplierID, 'Supplier' AS
_Supplier_
FROM Suppliers
ORDER BY City, CompanyName
```

**Query Nam** qryUQtblOrders1

Failed to upsize. Attempted to use SQL:

```
CREATE PROCEDURE qryUQtblOrders1
AS
UPDATE tblOrders SET tblOrders.ShipToID = 1
FROM Customers INNER JOIN tblOrders ON (Customers.CustomerID=tblOrders.CustomerID)
WHERE (((tblOrders.ShipName)<>Customers.CompanyName)) Or
(((tblOrders.ShipAddress)<>Customers.Address))
```

**Query Nam** qryUQtblOrdersShipTo

Upsized using SQL:

```
CREATE PROCEDURE qryUQtblOrdersShipTo
AS
SELECT tblOrders.OrderID, tblOrders.CustomerID, tblOrders.EmployeeID, tblOrders.OrderDate,
tblOrders.RequiredDate, tblOrders.ShippedDate, tblOrders.ShipVia, tblOrders.Freight,
tblShipAddresses.ShipName, tblShipAddresses.ShipAddress, tblShipAddresses.ShipCity,
tblShipAddresses.ShipRegion, tblShipAddresses.ShipPostalCode, tblShipAddresses.ShipCountry
FROM tblOrders INNER JOIN tblShipAddresses ON (tblOrders.ShipToID =
tblShipAddresses.ShipToID) UNION SELECT tblOrders.OrderID, tblOrders.CustomerID,
tblOrders.EmployeeID, tblOrders.OrderDate, tblOrders.RequiredDate, tblOrders.ShippedDate,
tblOrders.ShipVia, tblOrders.Freight, 'Same as Bill To' AS "___Same as Bill To___", '' AS "___", ''
AS "___", '' AS "___", '' AS "___", '' AS "___"
FROM tblOrders
WHERE tblOrders.ShipToID = 0
```

**Query Nam** qryUQtblOrdersShipToExt

Upsized using SQL:

```
CREATE PROCEDURE qryUQtblOrdersShipToExt
AS
SELECT tblOrders.OrderID, tblOrders.CustomerID, tblOrders.EmployeeID, tblOrders.OrderDate,
tblOrders.RequiredDate, tblOrders.ShippedDate, tblOrders.ShipVia, tblOrders.Freight,
tblShipAddresses.ShipName, tblShipAddresses.ShipAddress, tblShipAddresses.ShipCity,
tblShipAddresses.ShipRegion, tblShipAddresses.ShipPostalCode, tblShipAddresses.ShipCountry
FROM tblOrders INNER JOIN tblShipAddresses ON (tblOrders.ShipToID =
tblShipAddresses.ShipToID) UNION SELECT tblOrders.OrderID, tblOrders.CustomerID,
tblOrders.EmployeeID, tblOrders.OrderDate, tblOrders.RequiredDate, tblOrders.ShippedDate,
tblOrders.ShipVia, tblOrders.Freight, Customers.CompanyName, Customers.Address,
Customers.City, Customers.Region, Customers.PostalCode, Customers.Country
FROM tblOrders INNER JOIN Customers ON (Customers.CustomerID = tblOrders.CustomerID)
WHERE tblOrders.ShipToID = 0
```

<b>Query Nam</b>	<p>qryUSMailList</p> <p>Upsized using SQL:</p> <pre>CREATE PROCEDURE qryUSMailList AS SELECT Customers.ContactName AS Contact, Customers.CompanyName AS Company, Customers.Address, Customers.City, Customers.Region AS State, Customers.PostalCode AS ZIP INTO tblUSMailList FROM Customers WHERE (((Customers.Country)='USA'))</pre>
<b>Query Nam</b>	<p>Quarterly Orders</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p> <pre>CREATE PROCEDURE qryUSMailList AS SELECT Customers.ContactName AS Contact, Customers.CompanyName AS Company, Customers.Address, Customers.City, Customers.Region AS State, Customers.PostalCode AS ZIP INTO tblUSMailList FROM Customers WHERE (((Customers.Country)='USA'))</pre>
<b>Query Nam</b>	<p>Quarterly Orders by Product</p> <p>Crosstab queries cannot be upsizeable.</p>
<b>Query Nam</b>	<p>Sales by Category</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p>
<b>Query Nam</b>	<p>Sales by Year</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p>
<b>Query Nam</b>	<p>Sales Totals by Amount</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p>
<b>Query Nam</b>	<p>Summary of Sales by Quarter</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p>
<b>Query Nam</b>	<p>Summary of Sales by Year</p> <p>This query is not upsizeable because it is a DISTINCTROW query.</p>
<b>Query Nam</b>	<p>Ten Most Expensive Products</p> <p>Upsized using SQL:</p> <pre>CREATE VIEW "Ten Most Expensive Products" AS SELECT TOP 10 Products.ProductName AS TenMostExpensiveProducts, Products.UnitPrice FROM Products ORDER BY Products.UnitPrice DESC</pre>