The Create and View SQL Query

The Create and View SQL Query has been designed to allow additional options in exporting data from the Fair Management program. Included are:

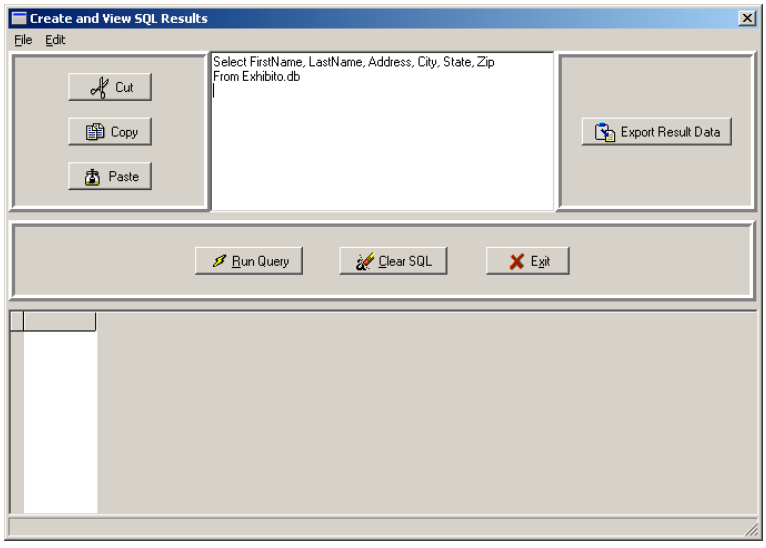
- To find information quickly.
- To join different tables (databases) together.
- To quickly check information by a certain grouping.
- To export information to another program.
- To create listings for use in other programs such as Access, Excel, Word, etc.

The query uses a number of special commands to connect the files and retrieve the desired data. The standard commands are:

- Select
- Select [Distinct]
- From
- Where
- And - Or
- Order by
- Join

Go **File|Create and View SQL**.

The Select and From Commands:

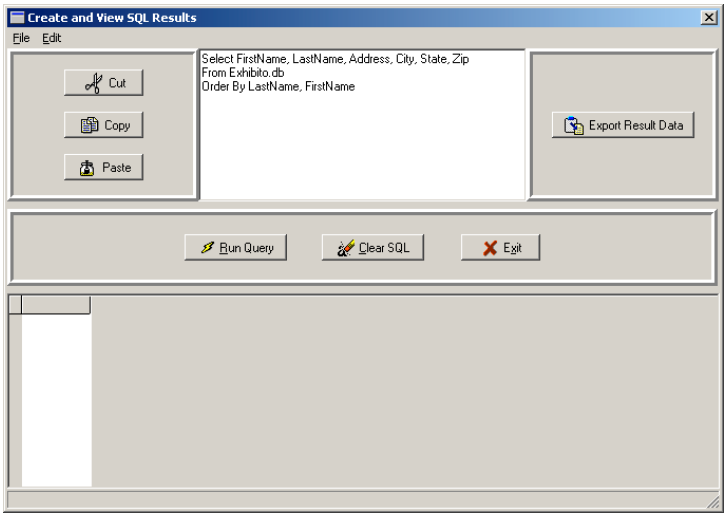


The ***Select*** statement is used to identify the field names (data) that are to be retrieved from the data files. The ***From*** command is used to identify the name of the file. Refer to the attached listing of data fields in each of the data files.

To retrieve the exhibitor name and address from the exhibitor file, the statement would look like this:

SELECT FirstName, LastName, Address, City, State, Zip (Data Field Names)
FROM Exhibito.db (Data File)

The Order By Command:

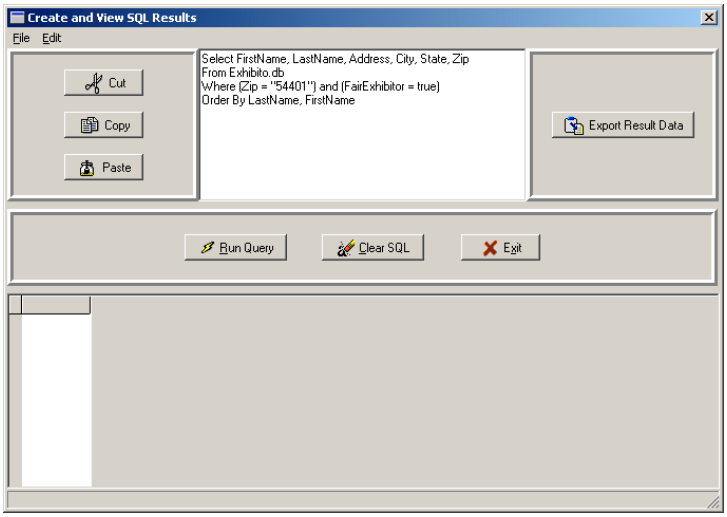


The ***Order By*** command is used to control the '*Sort Order'* of the data as it is retrieved from the file and written to the list.

To sort the data alphabetically, add the ***Order By*** command as follows:

ORDER BY LastName, FirstName

The Where and And Commands:



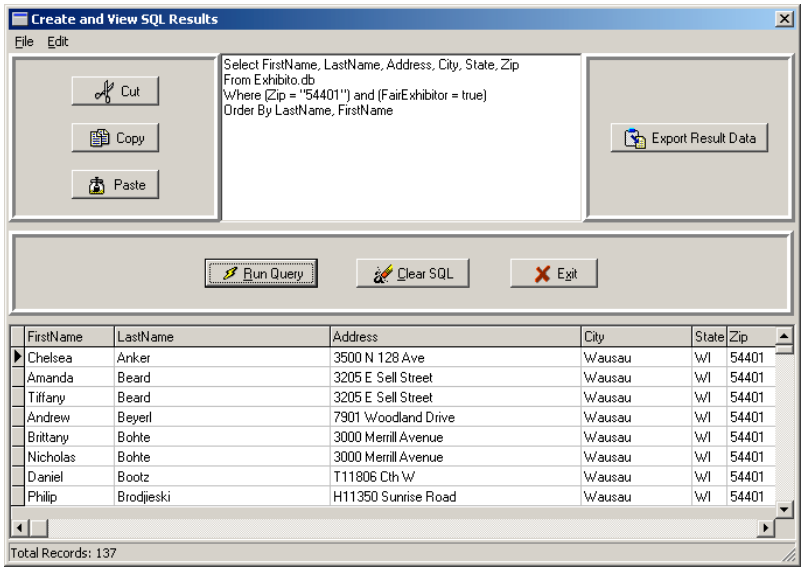
The ***Where*** and ***And*** commands are used to set specific criteria for retrieving the data. It allows you to be selective in the data you get. The ***And*** command is used to join two or more criteria together.

The following command will select all active exhibitors with a specific zip code. Parenthesis are used to isolate the two conditions that are joined by ***And***. Notice that the zipcode is equated to a character field so it is enclosed in quotation marks. *FairExhibitor* is a *true/false field* that indicates if the exhibitor is active or inactive. A true/false field is compared to the words true or false with no quotation marks.

WHERE (Zip = "54401") AND (FairExhibitor = true)

View the Data:

To view the data you have just selected, click on the ***Run Query Button***. The data will display in the grid, exactly as you indicated in your SQL statement.



FirstName	LastName	Address	City	State	Zip
Chelsea	Anker	3500 N 128 Ave	Wausau	WI	54401
Amanda	Beard	3205 E Sell Street	Wausau	WI	54401
Tiffany	Beard	3205 E Sell Street	Wausau	WI	54401
Andrew	Beyerl	7901 Woodland Drive	Wausau	WI	54401
Britany	Bohte	3000 Merrill Avenue	Wausau	WI	54401
Nicholas	Bohte	3000 Merrill Avenue	Wausau	WI	54401
Daniel	Bootz	T11806 Cth W	Wausau	WI	54401
Philip	Brodjieski	H11350 Sunrise Road	Wausau	WI	54401

If you plan to export the selected data to another program, click on the ***Export Result Data Button***. This will be discussed later.

At this point, we will look at retrieving data from two or more files.

Using the Join Command

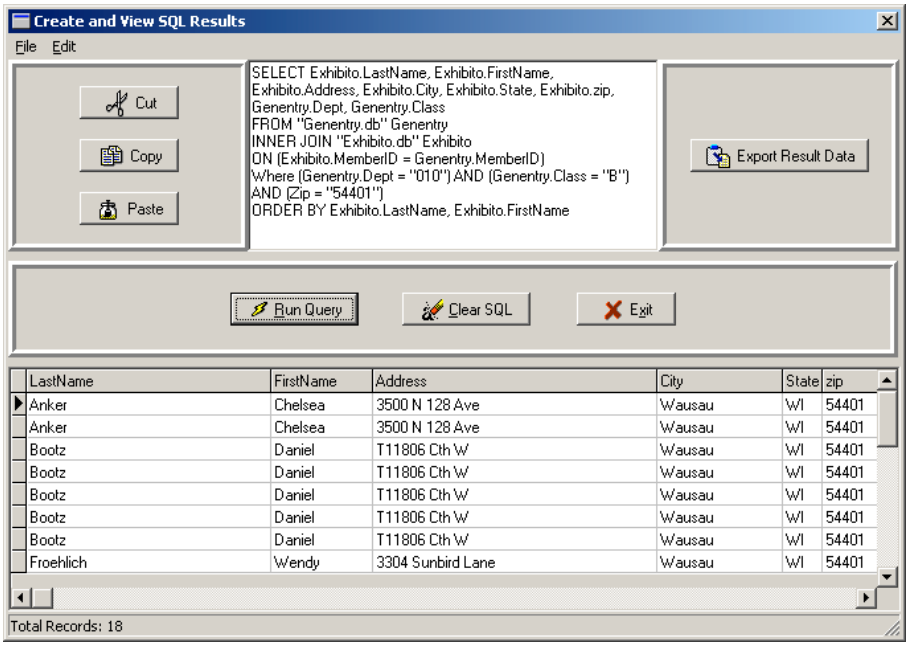
The ***Join*** command is used to retrieve data from two or more files. For example, to select exhibitors with their name and address who have general entries in a specific department and section, use the following command.

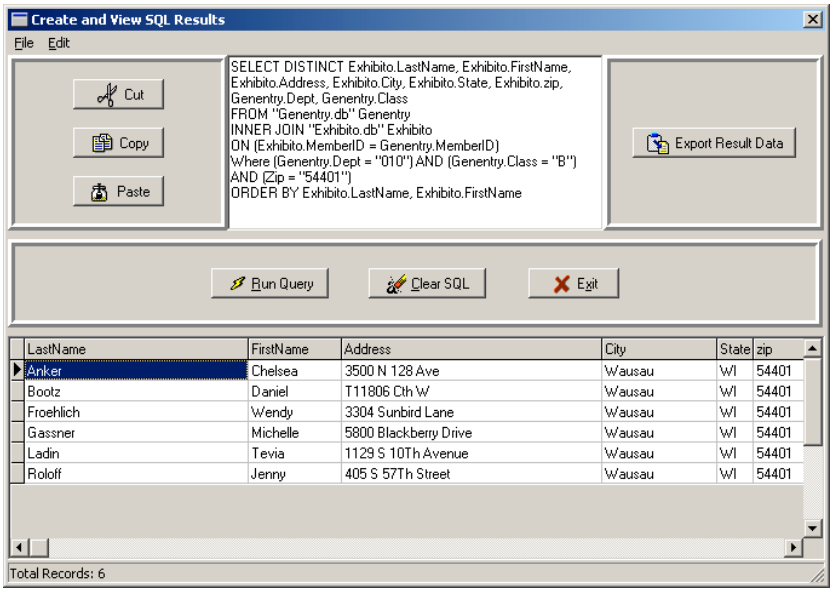
SELECT Exhibito.LastName, Exhibito.FirstName, Exhibito.Address, Exhibito.City, Exhibito.State, Exhibito.zip, Genentry.Dept, Genentry.Class
FROM "Genentry.db" Genentry
INNER JOIN "Exhibito.db" Exhibito
ON (Exhibito.MemberID = Genentry.MemberID)
Where (Genentry.Dept = "010") AND (Genentry.Class = "B") AND (Zip = "54401")
ORDER BY Exhibito.LastName, Exhibito.FirstName

The ***Join*** command is combined with the Inner command so that only exhibitors that have entries in this department/section are selected. The ***On*** command is used to set the link, matching the Exhibitor ID in the Exhibitor file with the Exhibitor ID in the General Entry file.

This SQL will retrieve every occurrence it finds in the General Entry file for the selected department and section. In this case, if an exhibitor has more than one entry, he will be listed more than once. To eliminate this, use the ***Distinct*** command with the ***Select.***

SELECT DISTINCT Exhibito.LastName, Exhibito.FirstName, Exhibito.Address, Exhibito.City, Exhibito.State, Exhibito.zip, Genentry.Dept, Genentry.Class





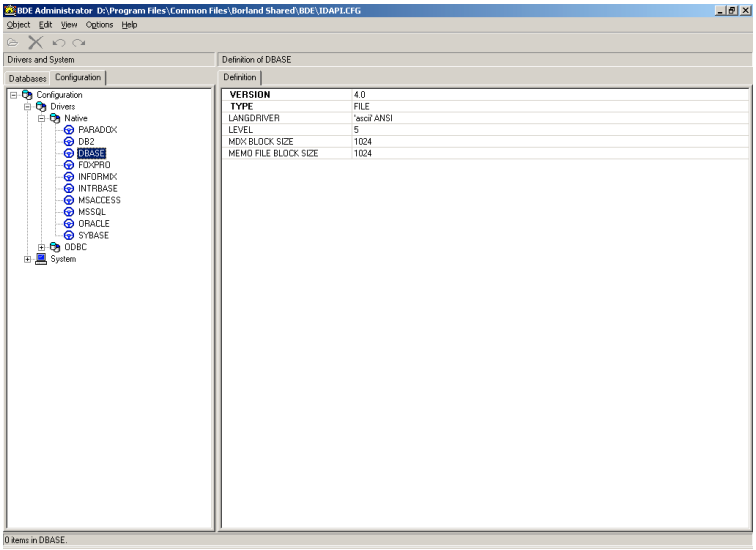
Exporting Data:

In this exercise, we will export the data in ***".dbf"*** file format and open it in Microsoft Excel.

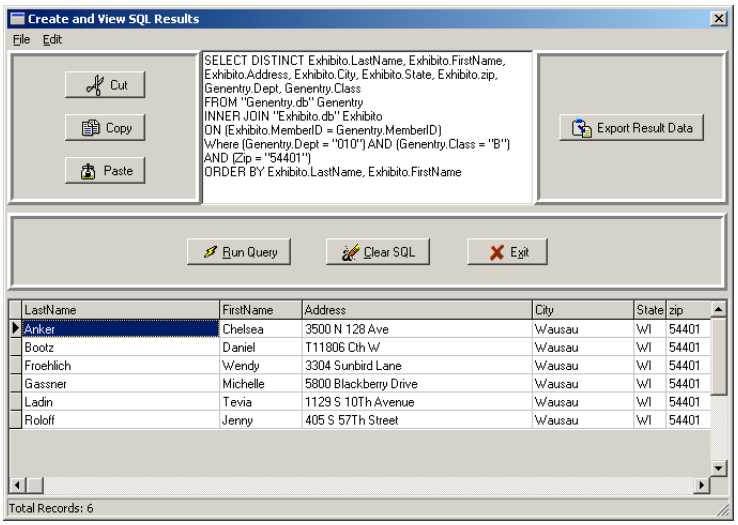
1. Before selecting the data, open the BDE Administrator and check the Level setting. Go **Start|Programs|Windows Fair Mangagement|BDE Admin** to open the BDE Administrator. Click on the **Configuration Tab**. Select **Drivers|Native|DBASE**. On the right side of the screen, the ***Level*** field should be set to '**5'** or higher.

   If it is lower, click on the field and use the drop-down list to select **'5'**. Go **Object|Exit**. Save all edits.

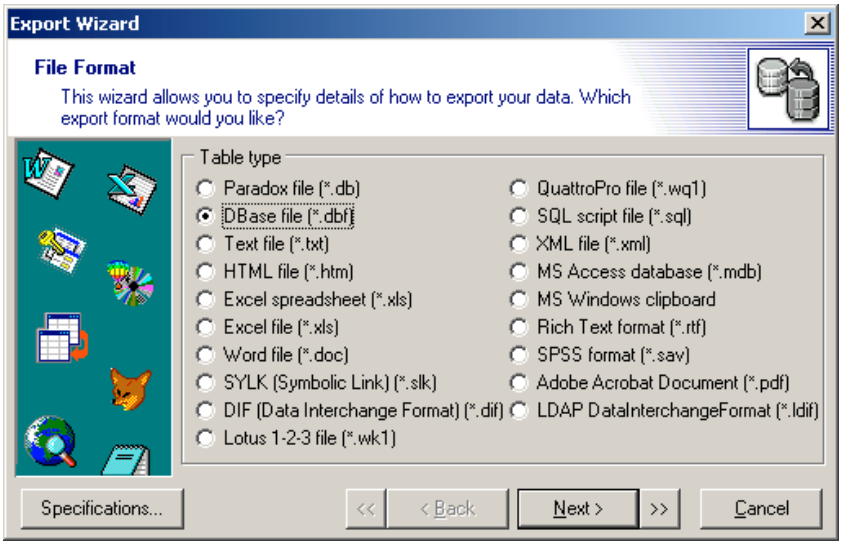
   Restart the computer so it reads the new BDE settings. You can now proceed with exporting the file. The BDE must be set to at least Level '5' to have the file open in Excel. Once it has been set, it will remain at Level '5' and will not have to be changed each time you export a file.



2. Enter the ***SQL*** and ***Run the Query*** to display the data. Click on ***Export Result Data***.

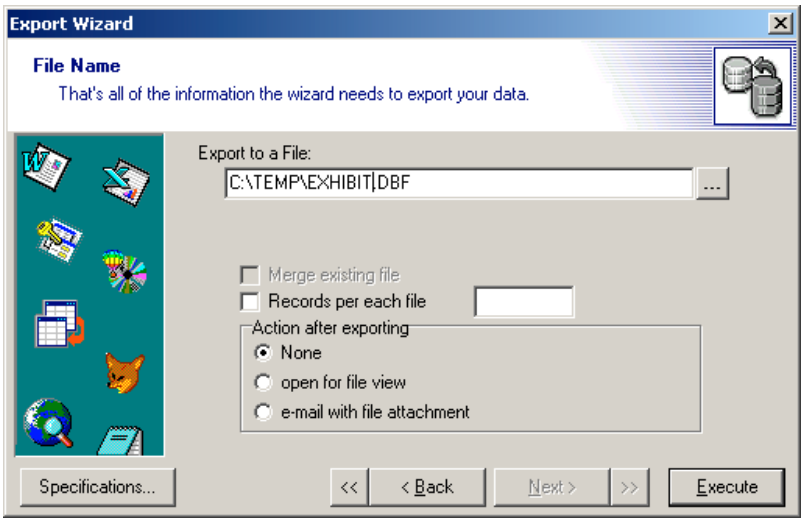


3. Select the ***Dbase file (*.dbf)*** format. Click ***Next.***

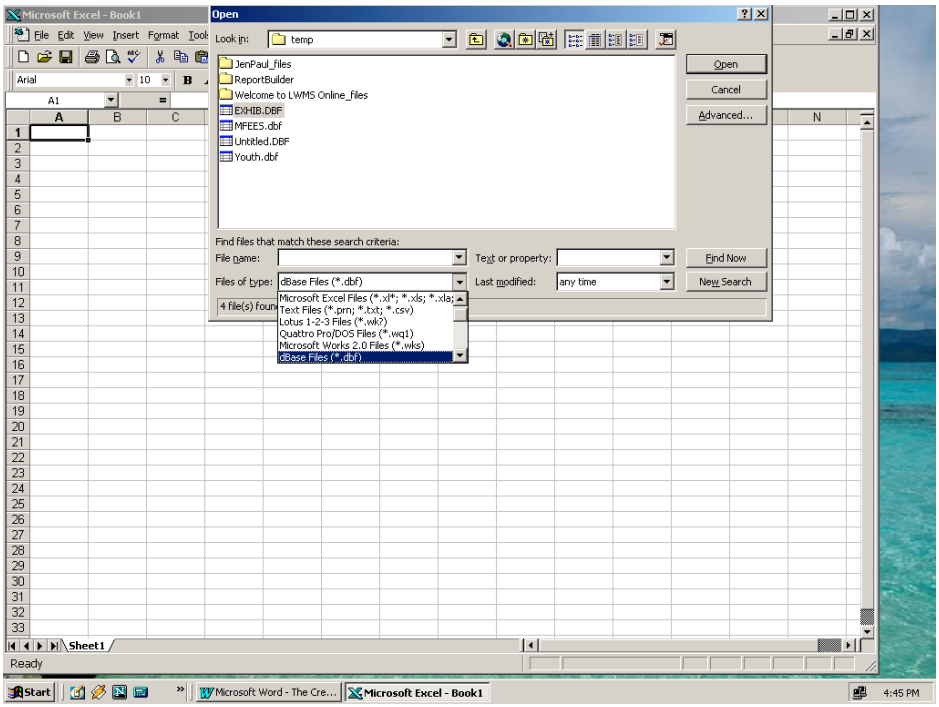


4. The next three screens will display, Data Origin, Data Formats, and Columns. Simply click ***Next*** on all these screens as you will not be making changes.

   The ***File Name*** screen will display. Either accept the default file name, or rename the file, keeping the *".dbf"* extension. Remember what you have named the file and where it is saved. You will need this information to open the file in Excel. Click ***Execute.***



5. Open Microsoft Excel. Go **File|Open**. Select the location of the file you created. In my case, I saved the file as *Exhib.dbf* in my Temp folder on Drive C:. Set the File Type to display *".dbf"* files. Select the file you just created.



6. Click ***Open*** and the file data will display in Excel with *Column Headers*. You can now manipulate the data in Excel and print a report from Excel.

Fair Table Structures

(* Indicates Primary Index)

Table Name = ADDPREM.DB -Auction Add-On Amounts

TransNumber	AutoInc	0	*	ExMemberID	String	5
Dept	String	3		SaleOrder	Integer	0
Class	String	3		Amount	Currency	0
Lot	String	5		PricePerPound	Float(#)	0
BuyerID	String	5		CalcPricePerPound	Currency	0

Table Name = BHISTORY.DB - Buyer History File

TransNum	AutoInc	0	*
BuyerID	String	5	
Year	String	4	
Amount	Currency	0	
Purchases	Currency	0	
Addon	Currency	0	

Table Name = Buyer.DB - Market Buyer File

BuyerID	String	5	*	PurchasesPreviousyears	Currency	0
LastName	String	20		OutstandingBuyer	String	25
Address	String	25		InvoicePrinted	Boolean	0
City	String	15		Type	String	1
State	String	2		AgentID	String	5
Zip	String	10		Fill1	String	1
Fax	String	13		Fill2	String	1
Phone	String	13		Fill3	String	5
Years	Smallint	0		Fill4	String	10
LastYear	String	4		FirstName	String	15
ProcessCode	String	6		Address2	String	25
PurchasesforYear	Currency	0		Email	String	40
PurchasesLastYear	Currency	0		BuyMemo	Memo	1
				Business	String	40

Table Name = BUYERLNK.DB - Market Buyer/Entry Link

TransNum	AutoInc	0	*
MarketLink	Integer	0	
BuyerID	String	5	
Percent	Float	0	
FlatDollar	Currency	0	
PricePerPound	Float	0	

Table Name = Checks.DB - Check Register File

TransNo	AutoInc	0	*	Class	String	3
CheckNo	String	6		Lot	String	5
CountyID	String	3		CheckDate	Date	0
ClubID	String	3		SortDate	Date	0
MemberID	String	5		Amount	Currency	0
LastName	String	15		Void	Boolean	0
FirstName	String	10		Reconcile	Boolean	0
MiddleI	String	1		AccountNo	String	8
SocSec	String	10		CheckType	String	1
Dept	String	3				

Table Name = COUNTREC.DB - Master County Information

FairName	String	30	Fairdate	String	25
Name	String	15	ExhibitorTicket	Currency	0
Code	String	3	ReducedTicket	Currency	0
Processed	String	1	LaserControlNumber	Float	0
Address1	String	25	ReceiptCode	String	4
Address2	String	25	ReceiptNumber	Integer	0
City	String	25	Federal_ID_Number	String	15
State	String	2	State_ID_Number	String	15
Zip	String	10	VersionNum	Float	0
Telephone	String	13	BarcodeNum	Integer	0
Deadline	Date	0			

Table Name = CREDCARD.DB - Credit Card File

TransNum	AutoInc	0	*
PaymentType	String	20	

Table Name = DEPTCLAS.DB - Class/Section Descriptions

Dept	String	3	*	Judge1	String	40
Class	String	3	*	Judge2	String	40
Desc	String	30		Judge3	String	40
ShowDateTime	String	40		EntryFee	Currency	0
WeighInDate	Date	0		PenFee	Currency	0

Table Name = DEPTDESC.DB - Department Descriptions

DeptID	String	3	*
Description	String	30	

Table Name = DescEntr.DB - Descriptive Entries

TransNumber	AutoInc	0	*	Description	String	50
CountyID	String	3		Types	String	1
ClubID	String	3		Fill2	String	2
MemberID	String	5		Fill3	String	5
Dept	String	3		Fill1	String	1
Class	String	3		PrintFlag	String	1
Lot	String	5		BarcodeNum	Integer	0
EntryID	String	10				

Table Name = DSfees.DB - Department Fees

DsTransNumber	AutoInc	0	*	NumStalls	Smallint	0
MemberID	String	5		NumChutes	Smallint	0
Dept	String	3		StallFee	Currency	0
Section	String	3		EntryFee	Currency	0
NumAnimals	Smallint	0		ExtraFee	Currency	0
NumEntries	Smallint	0		DSFeeDate	Date	0

Table Name = Exhibito.DB - Master Exhibitor File

MemberID	String	5	*	DeptPrem	Currency	0
CountyID	String	3		MultiBreed	Boolean	0
ClubID	String	3		MailFlag	Boolean	0
Division	String	1		OutOfState	Boolean	0
Category	String	1		PorkCert	String	15
SocialSec	String	11		PorkDate	Date	0
Status	String	1		BeefCert	String	15
FirstName	String	12		BeefDate	Date	0
MiddleInit	String	1		GradeID	Smallint	0
Township	String	15		SchoolCode	String	5
City	String	15		CashPrem	Boolean	0
State	String	2		Fill1	Boolean	0
Zip	String	10		Fill2	String	1
Country	String	25		Fill3	Currency	0
Phone	String	13		Fill4	Integer	0
Age	Smallint	0		Fill5	Smallint	0
Birthdate	Date	0		Fill6	String	10
Sex	String	1		Fill7	String	25
FarmName	String	30		ParentLastName	String	20
4HYear	Smallint	0		Address	String	35
Grade	Smallint	0		Email	String	40
Premium	Currency	0		LastName	String	30
FairExhibitor	Boolean	0		ParentFirstName	String	20
LastExhibYear	String	4		LastModDate	DateTime	0
ExhibStatus	String	1				
NumHead	Smallint	0				
Comments	String	40				

Table Name = FAIRBOOK.DB - Fairbook File

Dept	String	3	*	PremAmt15	String	6
Class	String	3	*	PremAmt16	String	6
Lot	String	5	*	PremAmt17	String	6
Desc	String	30		PremAmt18	String	6
JudgeCode	String	1		PremAmt20	String	6
StateCode	Boolean	0		PremAmt21	String	6
TypeCode	String	1		PremAmt22	String	6
PremType	String	1		PremAmt23	String	6
ProScale	String	3		PremAmt24	String	6
SlideScale	String	3		PremAmt25	String	6
NoInClass	Smallint	0		PremAmt26	String	6
PremAmt1	String	6		PremAmt27	String	6
PremAmt2	String	6		PremAmt28	String	6
PremAmt3	String	6		PremAmt29	String	6
PremAmt4	String	6		PremAmt30	String	6
PremAmt5	String	6		AnimalCount	Boolean	0
PremAmt6	String	6		ChampLot	Boolean	0
PremAmt7	String	6		Comment	String	40
PremAmt8	String	6		StateMoneys	Boolean	0
PremAmt9	String	6		Fill1	String	5
PremAmt10	String	6		Fill2	String	5
PremAmt11	String	6		Fill3	Boolean	0
PremAmt12	String	6		Fill4	Boolean	0
PremAmt13	String	6		NoPay	Boolean	0
PremAmt14	String	6				

Table Name = Fees.DB - Exhibitor Fees

MemberID	String	5	*	PaymentDate2	Date	0
CountyID	String	3		PaymentDate3	Date	0
ClubID	String	3		AmtDue	Currency	0
DeptCode1	String	3		PaymentAmount1	Currency	0
CampFee	Currency	0		PaymentAmount2	Currency	0
ExhibitorFee	Currency	0		PaymentAmount3	Currency	0
NoRegGate	Smallint	0		TotalFees	Currency	0
RegGateAmt	Currency	0		CreditCardNumber1	String	19
NoReducedGate	Smallint	0		CreditCardNumber2	String	19
ReducedGateAmt	Currency	0		CreditCardNumber3	String	19
AddFee1	Currency	0		CreditCardName1	String	30
AddFee2	Currency	0		CreditCardName2	String	30
AddFee3	Currency	0		CreditCardName3	String	30
AddFee4	Currency	0		ExpirationDate1	String	5
Comments	String	40		ExpirationDate2	String	5
Div	String	1		ExpirationDate3	String	5
ReceiptDate1	Date	0		PaymentType1	String	2
ReceiptDate2	Date	0		PaymentType2	String	2
ReceiptDate3	Date	0		PaymentType3	String	2
ReceiptFlag1	Boolean	0		Extra1	String	10
ReceiptFlag2	Boolean	0		Extra2	String	1
ReceiptFlag3	Boolean	0		Extra3	Date	0
ReceiptNo1	String	10		Extra4	Currency	0
ReceiptNo2	String	10		Extra5	Currency	0
ReceiptNo3	String	10		Extra6	String	15
Check1#	String	6		Extra7	String	1
Check2#	String	6		Extra8	Date	0
Check3#	String	6		FeeDate	Date	0
PaymentDate1	Date	0				

Table Name = GenEntry.DB - General Entries

TransNumber	AutoInc	0	*	AnimalCount	String	1
CountyID	String	3		PrintFlag	String	1
ClubID	String	3		Types	String	1
MemberID	String	5		Fill2	String	1
Dept	String	3		Fill3	String	5
Class	String	3		Fill1	String	1
Lot	String	5		Fill4	String	10
EntryID	String	10		BarcodeNum	Integer	0
PremCode	String	1				

Table Name = GRADE.DB - Grade Format File

Grade	Smallint	0	*
GradeDesc	String	15	

Table Name = JUDGE.DB - Judging Results File

TransNumber	AutoInc	0	*	FairType	String	1
Dept	String	3		PremPaidFlag	Boolean	0
Class	String	3		PremTrophy	String	6
Lot	String	5		PremAmount	Currency	0
Desc	String	1		PremType	Boolean	0
CountyID	String	3		Code	String	3
ClubID	String	3		ChampLot	Boolean	0
MemberID	String	5		AnimalCount	String	1
EntryID	String	10		Date	Date	0
PremCode	String	2		AddAmt	Currency	0
RibbonCode	String	2		EntryFee	Currency	0
Rank	String	2		Break	Integer	0
StateReimFlag	Boolean	0				

Table Name = Liveentr.DB - Livestock Entries

TransNumber	AutoInc	0	*	Owner5	String	25
Dept	String	3		Owner6	String	25
Class	String	3		Info	String	30
Lot	String	5		CheckAmount	Currency	0
CountyID	String	3		Break	String	2
ClubID	String	3		Tatoo	String	10
MemberID	String	5		Scratch	Boolean	0
ShowNo	String	10		State Eligible	Boolean	0
Birthdate	Date	0		PRAge	String	4
Sex	String	1		PRX	String	2
RegNo	String	30		PRDays	String	3
FarmNo	String	10		PRProd	String	5
AnimalName	String	30		PRFatPc	String	4
Dam	String	30		PRFatLb	String	5
DamNo	String	30		PRProteinPc	String	4
Sire	String	30		PRProteinLb	String	5
SireNo	String	30		Types	String	1
Breeder	String	25		Fill2	Boolean	0
Height	Float	0		Fill3	String	5
Weight	Float	0		Fill4	Float	0
Owner1	String	25		Fill5	String	10
Owner2	String	25		Fill1	String	1
Owner3	String	25		Group	Float	0
Owner4	String	25		BarcodeNum	Integer	0

Table Name = MARKBOOK.DB - Market Book File

Dept	String	3	*	BuyerFlatDed2	Currency	0
Class	String	3	*	BuyerFlatTitle1	String	20
Lot	String	5	*	BuyerFlatTitle2	String	20
SaleDate	Date	0		MarketFloorPrice	Currency	0
MarketPrice	Float	0		AddBackValue	Boolean	0
SellerPercentDed1	Float	0		ShrinkageFlag	Boolean	0
SellerPercentDed2	Float	0		ShrinkagePercent	Float	0
SellerPercentTitle1	String	20		DeductionsFlag	Boolean	0
SellerPercentTitle2	String	20		DeductionsPercent	Float	0
SellerFlatDed1	Currency	0		BeginDate	Date	0
SellerFlatDed2	Currency	0		EndDate	Date	0
SellerFlatTitle1	String	20		Fill1	Boolean	0
SellerFlatTitle2	String	20		Fill2	String	1
BuyerPercent1	Float	0		Fill3	Float	0
BuyerPercent2	Float	0		Fill4	Float	0
BuyerPercentTitle1	String	20		Fill5	String	10
BuyerPercentTitle2	String	20		Fill6	Boolean	0
BuyerFlatDed1	Currency	0		Fill7	Float	0

Table Name = MarkPay.DB - Buyer Payments File

TransNumber	AutoInc	0	*	PaymentDate	Date	0
MarketLink	Integer	0		ReceiptNumber	String	10
BuyerID	String	5		ReceiptDate	Date	0
CheckNumber	String	6		PaymentType	String	20
CreditCardNumber	String	19		ExpirationDate	String	4
CreditCardName	String	30		Comment	String	40
PaymentAmount	Currency	0				

Table Name = MARKChek.DB - Market Auction Check File

SellerPercentDed1	Float	0	Dept	String	3
SellerPercentDed2	Float	0	Class	String	3
SellerPercentTitle1	String	20	Lot	String	5
SellerPercentTitle2	String	20	FloorPrice	Boolean	0
SellerFlatDed1	Currency	0	WeighID	String	10
SellerFlatDed2	Currency	0	SaleFlag	Boolean	0
SellerFlatTitle1	String	20	Resale	Boolean	0
SellerFlatTitle2	String	20	SecondWeigh	Float	0
AddBackValue	Boolean	0	PoundsGain	Float	0
ShrinkagePercent	Float	0	RateGain	Float	0
DeductionsFlag	Boolean	0	AdditionalDed	Currency	0
DeductionsPercent	Float	0	TurnedToFloor	Boolean	0
CountyID	String	3	FlatPricePaid	Currency	0
ClubID	String	3	Saleorder	Integer	0
Division	String	1	PoundPrice	Float	0
SocialSec	String	11	MarketPrice	Float	0
FirstName	String	12	City	String	15
FarmName	String	30	State	String	2
Address	String	35	Zip	String	10
LastName	String	30	CheckNum	Integer	0
MemberID	String	5			

Table Name = Markentr.DB - Market Entries

TransNumber	AutoInc	0	*	FlatPricePaid	Currency	0
CountyID	String	3		BuyerPrice/lb	Currency	0
ClubID	String	3		SaleOrder	Integer	0
MemberID	String	5		Processor	String	6
Dept	String	3		Processor2	String	6
Class	String	3		PenNo	Integer	0
Lot	String	5		Comment	String	1
FloorPrice	Boolean	0		Grouped	Boolean	0
WeighID	String	10		GroupID	Integer	0
SaleFlag	Boolean	0		Backfat	String	5
Birthdate	Date	0		LoinEye	String	5
Resale	Boolean	0		Scratch	Boolean	0
StateID	String	10		Fill1	Boolean	0
FirstWeigh	Float	0		Fill3	String	10
WeighDate1	Date	0		PoundPrice	Float	0
SecondWeigh	Float	0		MarketPrice	Float	0
WeighDate2	Date	0		Marbling	String	5
PoundsGain	Float	0		PenEntry	Boolean	0
RateGain	Float	0		MarkComment	String	40
Height	Float	0		BarcodeNum	Integer	0
Group	String	2		DonComment	String	40
Break	String	2		Donated	Boolean	0
EarNotch	String	10		PreSale	Boolean	0
FarmNumber	String	10		AddPerDeduct	Float	0
BuyerAddCharge	Currency	0		AddDedDesc	String	20
AdditionalDed	Currency	0		AddPerDedDesc	String	20
TurnedToFloor	Boolean	0				

Table Name = PAYMENTS.DB - Temporary Payments File

TransNum	AutoInc	0	*	PaymentAmount	Currency	0
MemberID	String	5		PaymentType	String	2
PaymentDate	Date	0		ExhibName	String	25

Table Name = PROCESOR.DB - Market Processor File

ProcessorID	String	6	*	City	String	15
BusinessName	String	25		State	String	2
LastName	String	15		Zip	String	10
FirstName	String	10		Phone	String	14
Address	String	25		AdditionalFees	Currency	0

Table Name = PROPAY.DB - Market Processor Payments

TransNumber	AutoInc	0	*	CreditCardName	String	30
MarketLink	Integer	0		ExpirationDate	String	4
ProcesorID	String	6		PaymentAmount	Currency	0
PaymentType	String	20		PaymentDate	Date	0
CheckNumber	String	6		ReceiptNumber	String	10
CreditCardNumber	String	19		ReceiptDate	Date	0

Table Name = PRORATE.DB Prorated Premium File

ProID	String	3	*
Amount	Currency	0	
Pointamt	Float	0	
Fill1	String	1	

Table Name = SLIDESCL.DB - Sliding Scale File

SlidingScaleID	String	3	*	Prem43	Currency	0
NumberBreak	Integer	0	*	Prem44	Currency	0
Prem1	Currency	0		Prem45	Currency	0
Prem2	Currency	0		Prem46	Currency	0
Prem3	Currency	0		Prem47	Currency	0
Prem4	Currency	0		Prem48	Currency	0
Prem5	Currency	0		Prem49	Currency	0
Prem6	Currency	0		Prem50	Currency	0
Prem7	Currency	0				
Prem8	Currency	0				
Prem9	Currency	0				
Prem10	Currency	0				
Prem11	Currency	0				
Prem12	Currency	0				
Prem13	Currency	0				
Prem14	Currency	0				
Prem15	Currency	0				
Prem16	Currency	0				
Prem17	Currency	0				
Prem18	Currency	0				
Prem19	Currency	0				
Prem20	Currency	0				
Prem21	Currency	0				
Prem22	Currency	0				
Prem23	Currency	0				
Prem24	Currency	0				
Prem25	Currency	0				
Prem26	Currency	0				
Prem27	Currency	0				
Prem28	Currency	0				
Prem29	Currency	0				
Prem30	Currency	0				
Prem31	Currency	0				
Prem32	Currency	0				
Prem33	Currency	0				
Prem34	Currency	0				
Prem35	Currency	0				
Prem36	Currency	0				
Prem37	Currency	0				
Prem38	Currency	0				
Prem39	Currency	0				
Prem40	Currency	0				
Prem41	Currency	0				
Prem42	Currency	0				