


# Project Genealogy

Create the New Database, called Genealogy.

Create Family Table with two fields: Family Number (Data type Auto number) and Family Name. Second table: Person Details. Fields: Person Number - Auto Number. Click Insert Lookup Wizard, and create the field using Family Name. Give the field name: Surname. Add the next field: First Name. You might be automatically told, that the Primary Key has not been set, and the program will set it for you. Also, it will ask you to save the table before relationship can be built. Give the table names, Person Details for the second table.

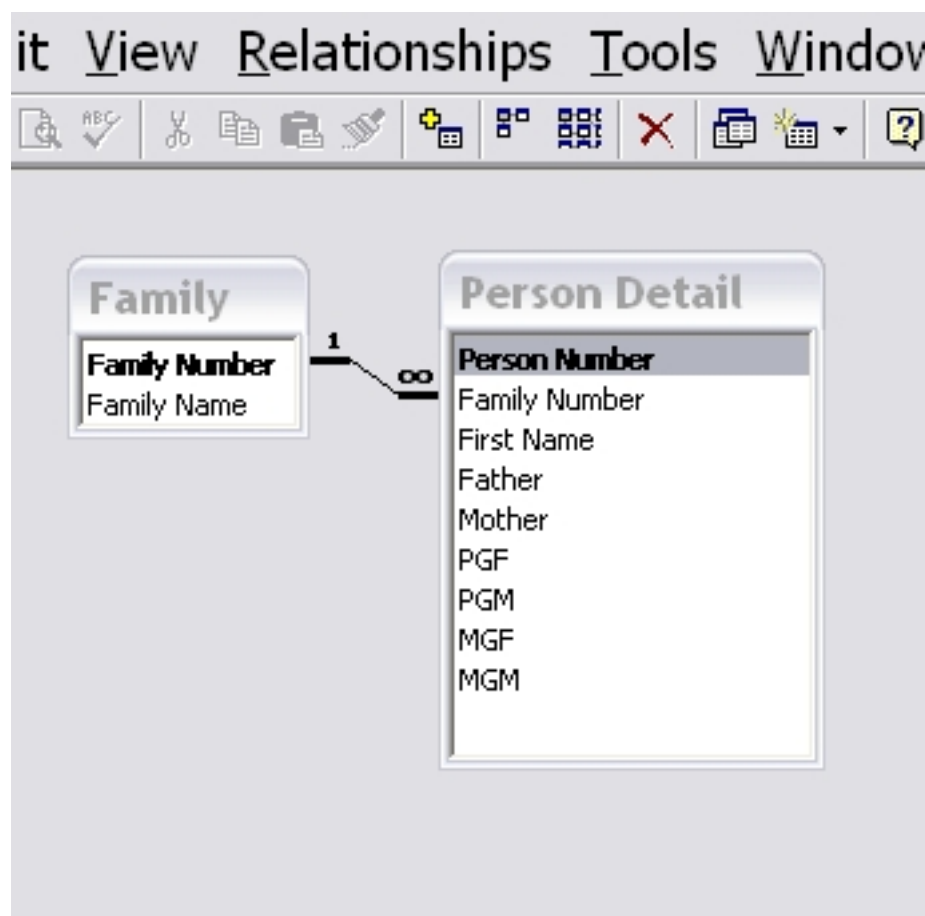
	Field Name	Data Type	
	Person Number	AutoNumber	
	Gender	Text	
	Family Number	Number	
	First Name	Text	
	DOB	Date/Time	
	DOM	Date/Time	
	DOD	Date/Time	
	Spouse	Text	
	Father	Number	
	Mother	Text	
	PGF	Number	
	PGM	Number	
	MGF	Number	
	MGM	Number	
	Telephone	Text	

General	Lookup
Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)

Close tables.

Open Relationship Window, by clicking Tools/Relationships. Right click on the line which joins the two tale boxes. You get the window to fill in integrity values. Since this is a One to Many relationship, you should enforce integrity, so click the three squares at the bottom, and you will get the joining line change to a number one at one end and infinity sign at the other end. Close the window and save the relationship.



Enter Names.

Note if you are married, then your wife's family name has to be added to the Family Names as well as her four grand parents, (one of whom is included in the wife's family name).

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Fill your own name, that of your wife, and your parents and grand parents.

Create Additional Fields to get, parents and grand parents names on the Person Detail table.

Make 6 fields: Father, Mother, PGF, PGM, MGF and MGM

Make data type text (not Look Up) for Spouse and Mother - make property, indexed (Duplicates OK) - when you set data type, you should look at the bottom window, where properties are given. Click Indexed and two values are given, Duplicates OK and Not OK.

Make a Query for Grandparents and Father.

Use Fields from Tables, Family and Personal Details.

Person ...

\*

Person Num

Gender

Family Num

First Name

1

∞

Family

\*

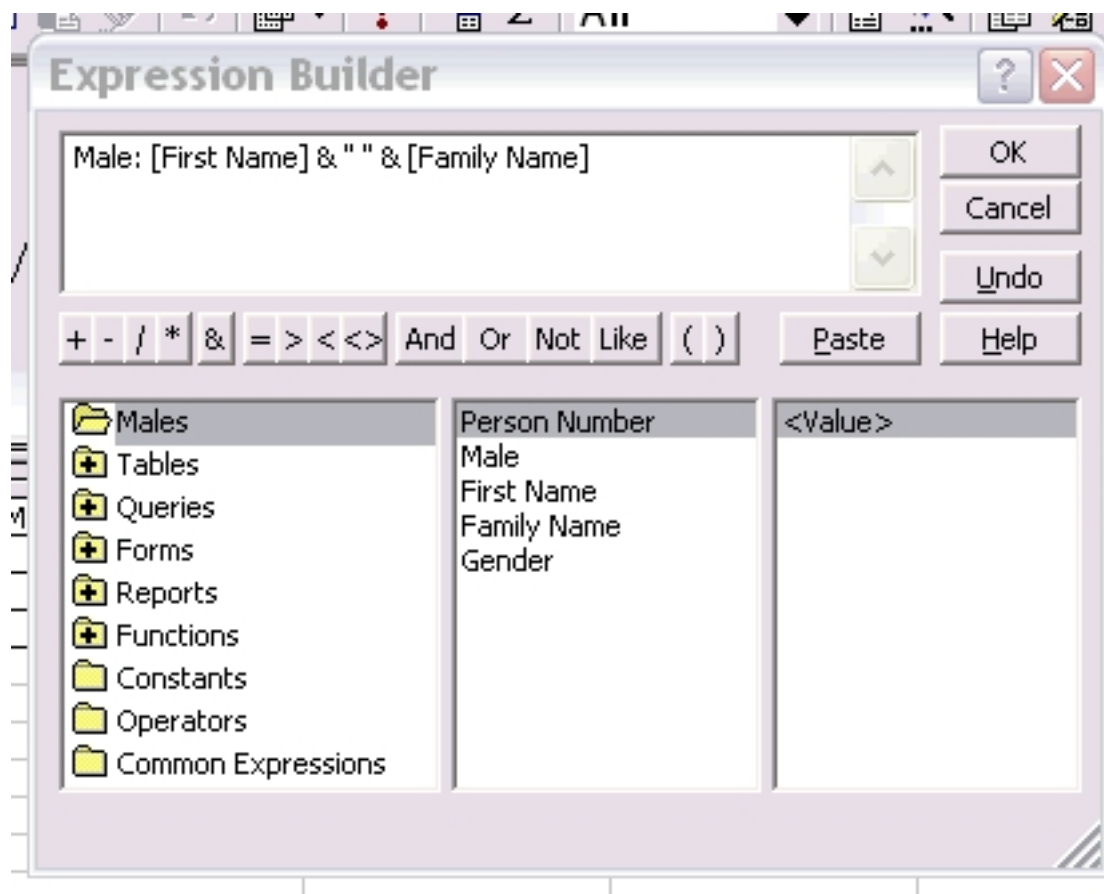
Family Number

Family Name

Field:	Person Number	Male: [First Name]	First Name	Family Name	Gender
Table:	Person Detail		Person Detail	Family	Person Detail
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:					
or:					

Male: is a field made of First Name and Family Name. expression is male: [First Name]& "&[Family Name]

To prepare this field, do as follows: right click in "field" row, and click on Build, and you will get the next window:



Place your mouse pointer on First Name, (it gets selected) then place the pointer in the main window, where you want it to be pasted and click "paste" - it gets pasted. Then click on the & and paste, then put two quote marks, to gain a space, and again & and then paste the next field. . Click OK. The field has been created.

Make these fields into Combo Boxes (Another way to make look up fields).

	Field Name	Data Type	
🔑	Person Number	AutoNumber	
	Gender	Text	
	Family Number	Number	
	First Name	Text	
	DOB	Date/Time	
	DOM	Date/Time	
	DOD	Date/Time	
	Spouse	Text	
▶	Father	Number	
	Mother	Text	
	PGF	Number	
	PGM	Number	
	MGF	Number	
	MGM	Number	
	Telenehone	Text	

Field F

General   **Lookup**

Display Control	Combo Box
Row Source Type	Table/Query
Row Source	Males
Bound Column	1
Column Count	2
Column Heads	No
Column Widths	0";2"
List Rows	8
List Width	Auto
Limit To List	Yes

Design view. F6 = Switch panes. F1 = Help.

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## Create Forms:

Close all tables.

Open Data Base window, and choose Forms New.

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Select Form Wizard, and put Person Details in the Table to be selected.

Choose all Fields, and select style, "Justified" and continue till the form has been created. Choose, "Modify" and then stretch the back ground to fill the monitor. Drag the lower bar down to fill the monitor.

If you place your mouse below the horizontal bar, the back ground will stretch. If you place above, the bar will be dragged down. You have to first stretch the background and then drag the horizontal bar down. Now click on View and choose Form and see if any modifications to the size are needed. You may notice that a further drag of the bar is needed, and by trial and error you will discover the correct position. Also look at the ruler on top and on the left. If it does not appear then Click on View and see that it is click. If the two downward arrows at the bottom have blocked the view, then click on it to open the whole list up.

The bar should be at 4.5" point on the left ruler. Note that the background below the bar is dragged up, till the bar. It is used for footer details in needed.

The screenshot displays a form design software interface. At the top, there is a ruler from 1 to 7. Below it, a form is being designed. The form has a 'Form Header' section, a 'Detail' section, and a 'Form Footer' section. The 'Detail' section contains various fields: 'Person', 'Gender' (dropdown), 'Surname', 'Family Number' (dropdown), 'First Name', 'Spouse', 'Foreign Telephone', 'Address' (green button), 'Telephone' (green button), 'Search' (green button), 'Dates' (green button), 'Date of Birth', 'DOB', 'Date of Marriage', 'DOM', 'Date of Death', 'DDD', and 'Children Subform'. The 'Children Subform' is a separate form embedded within the main form, showing fields for 'Person Num', 'Family Numbe', 'First Name', 'Gender' (dropdown), 'Father', 'Mother', 'PGF' (dropdown), 'PGM' (dropdown), 'MGF' (dropdown), and 'MGM' (dropdown). The form is set against a dotted background. On the left side, there is a vertical ruler from 1 to 3. At the bottom, there are two downward arrows.

## Create a Sub form - Children Subform

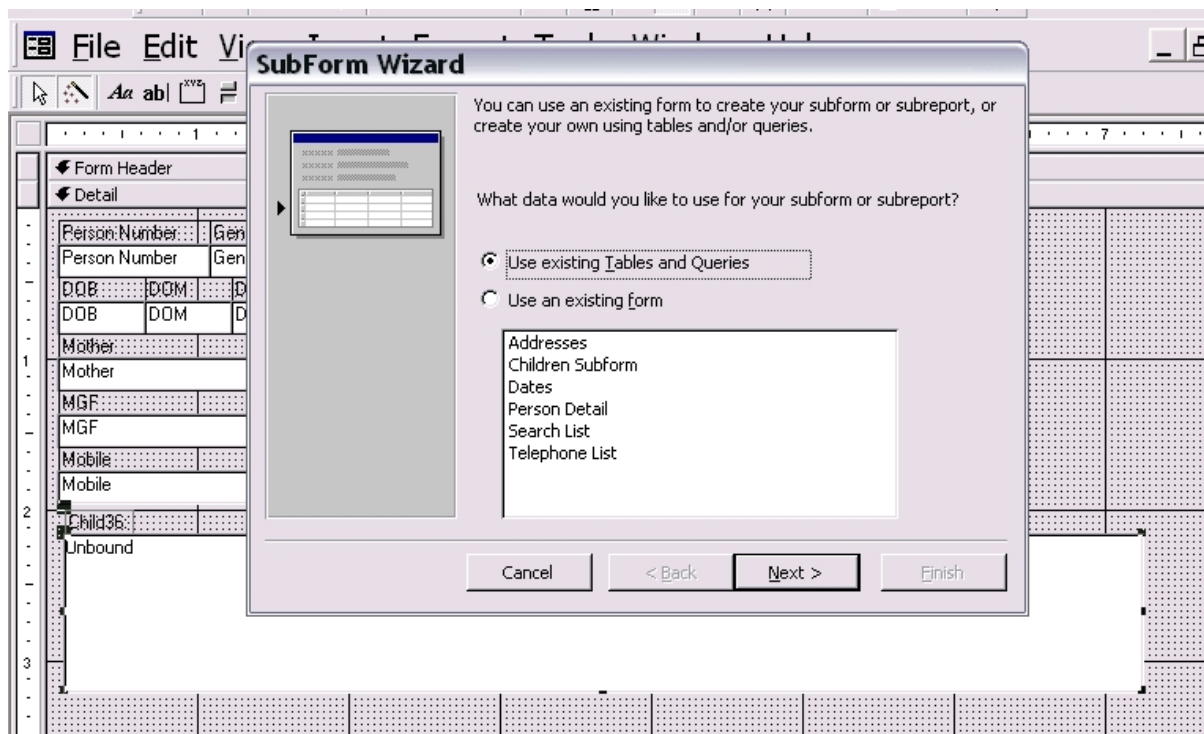
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Use the Wizard, and select Auto Data Sheet. Source Table same - Person Details.

Select the Person detail form, in Design View, and from the Form Menu Bar, select the **Sub Form Wizard**.



Select Personal Detail form. Place the mouse pointer on it, and it gets selected.. Click Next and go on to the next step.

**SubForm Wizard**

Would you like to define which fields link your main form to this subform yourself, or choose from the list below?

☐ Choose from a list. ☒ Define my own.

Form/report fields: Subform/subreport fields:

None

Cancel < Back Next > Finish

Click on the Data tab of the subform and this dialog is shown. You can find the Data Tab

## Alternate Approaches

Instead of having data types as numbers, you can have a text data type for Wife or Spouse.

If you do so, make also the Mother data type as text.



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When linking Main form with sub form:

Parent field          Child Field

Personal Number    Father

Spouse          =          Mother

Father          =          Grand father

Get text data into the fields.

Make a Query with these fields of the Personal Details Table:

Personal Number, Family Name, and First Name. Use a field Gender to determine Males from Females, in the list, and to do so, use the Look Up wizard, and choose the second option and give the field names yourself.

In the criteria type "male" is that is the field name you have given, then only the males will be listed.

Create a new unbound field, with the expression builder, and give it Personal Name.

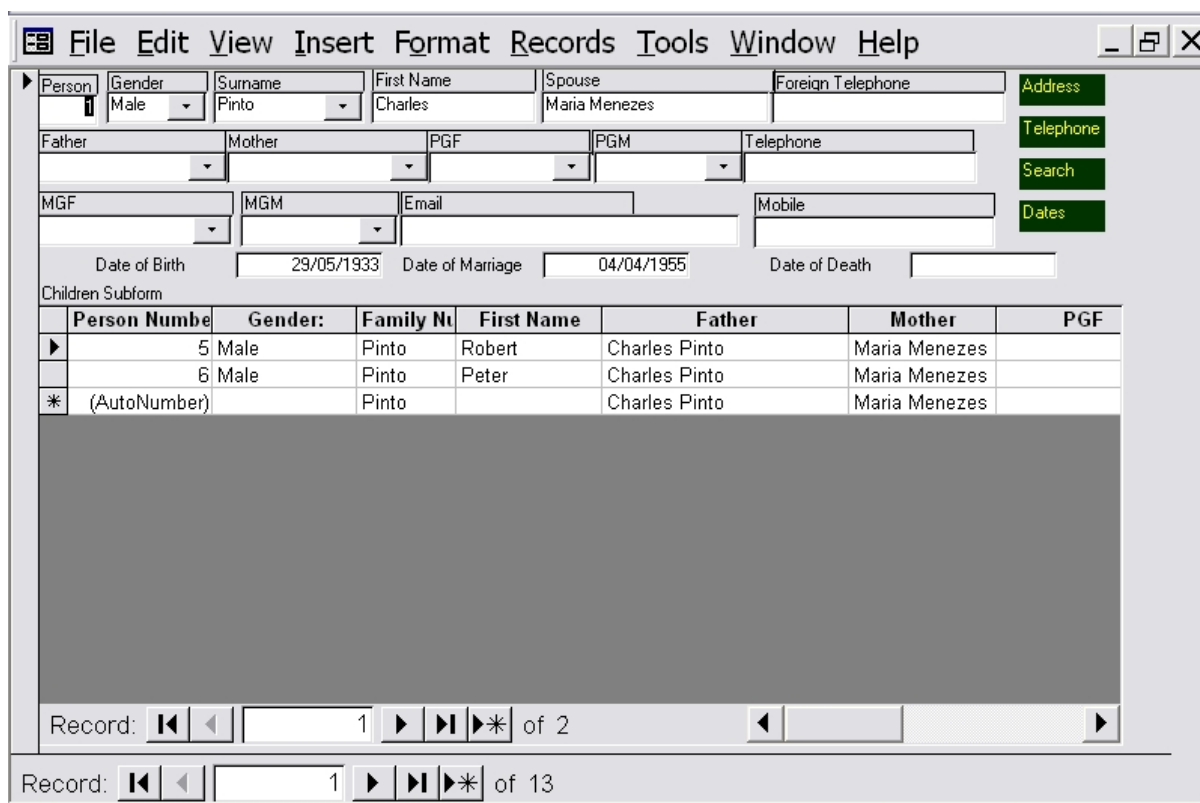
Create a cross query with two tables: Family names and Personal details. Link, the one to many fields.

In your query list, choose Family Name instead of Family Number

In the PersonalName, use [First Name]&" "&[Family Name] This will join the two fields into one.

Make all the fields of Father, PGF PGM, MGF and MGM as look up fields, referring to this query. Use the query which has selected males, for grand fathers and females for the grand mothers.

## Completed Input Form



Person	Gender	Surname	First Name	Spouse	Foreign Telephone	Address	Telephone	Search	Dates
1	Male	Pinto	Charles	Maria Menezes					
Father		Mother	PGF	PGM	Telephone				
MGF		MGM	Email	Mobile					
Date of Birth	29/05/1933	Date of Marriage	04/04/1955	Date of Death					

Person Number	Gender	Family Number	First Name	Father	Mother	PGF
5	Male	Pinto	Robert	Charles Pinto	Maria Menezes	
6	Male	Pinto	Peter	Charles Pinto	Maria Menezes	
*(AutoNumber)		Pinto		Charles Pinto	Maria Menezes	

Record: 1 of 2

Record: 1 of 13

## Macros:

In the actual database, after you have downloaded it, analyze the fields, by right clicking on them in design view, and checking the properties in Data, Format and Event. Note the

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Name property in "Other" tab as well.

Much can be learnt by observation.