

## Re: Populating a list -- table structure?

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*Source:* <http://www.tech-archive.net/Archive/Access/microsoft.public.access.forms/2006-06/msg00751.html>

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- *From:* Kass <Kass@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Tue, 13 Jun 2006 15:29:02 -0700
- 

Crystal,

Thanks! I had made a report already and figured out about adding the "Product Footer" as you say. But this put the Product on one line and the Product count on the line below it. This was workable, but I really wanted them both on the same line for clarity and to save space. So after reading your response, I dragged the Product field into the Product Footer section and it is just perfect! Thanks for all your help! This is working just as I need it to! Again I appreciate all you have helped me with and I'm so excited because thanks to your SQL summary info, I'm finally starting to understand this better.

If I have a problem in the future, is there a way to direct a question to you. I don't mean to pester you, but you seem to explain things so I can understand them. I have always appreciated the responses on the board, whether my question or just searching, but sometimes I just don't click with the way some of these guys explain things. If it is not possible or feasible, I certainly understand... just that I'd inquire.

Thanks for everything!

Kass

"strive4peace" <"strive4peace2006 at yaho" wrote:

Hi Kass,

thank you :)

make Product one of your report groupings and choose YES for Group footer so you create a section

from the menu --> View, Sorting & Grouping

hide the detail

in the Product footer, put the product and the count

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Warm Regards,  
Crystal  
Microsoft Access MVP 2006

\*

Have an awesome day ;)

remote programming and training  
strive4peace2006 at yahoo.com

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Kass wrote:

Crystal,

You have been so helpful and I really appreciate it! I don't mean to skip your response below, but thanks to your help with SQL, I was able to get the query to pull the info the way I needed. I have one report complete, "Book & Activities Report". It takes a summary from a select query and gives the following data:

Book Name : Pawnee Elementary Grade 5

Activity 1 – Product 1

Product 22

Product 3

Product 18

Activity 2 – Product 22

Product 44

Product 66

Activity 3 – Product 3

Product 18

Product 55

Product 12

Product 22

ECT...

Now I need a similar report, Book & Parts Report. I need it however to make a count of the Products... something like this:

Book Name : Pawnee Elementary Grade 5

Product 1 1

Product 3 2

Product 12 1

Product 18 1

Product 22 3

Product 44 1

Product 55 1

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Product 66 1

The report will put the Products in order, with no gaps (I tried Hide Duplicates... but it leaves gaps) and a summary count of each of the products. This will help my client not only know what which Activities and what Products go into which Books, but also give them a summary of the Products and how many of each go into each Book.

If you know this off hand, let me know. If it is alot of trouble on your end, I'll just keep doing some digging. Seems like I've done this before, but can't remember if I had to do it within a query or in the report itself.

Take Care!

Kass

"strive4peace" <"strive4peace2006 at yaho" wrote:

Hi Kass,

you are welcome :)

In order to help you, I need to better understand your structure. This is what I have surmised -- please make corrections...

\*Products\*

PID, autonumber

Product, text

\*Activities\*

AID, autonumber

Activity, text

\*Kits\*

KitID, autonumber

AID, long integer

Kit, text

\*KitProducts\*

KPID, autonumber

KitID, long integer

PID, long integer

\*Books\*

BookID, autonumber

\*BookKits\*

BKitID, autonumber

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BookID, long integer  
KitID, long integer

Warm Regards,  
Crystal  
Microsoft Access MVP 2006

\*  
Have an awesome day ;)

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Kass wrote:

Crystal,

I REALLY appreciate you sending this info. You are right, this clears up a lot of issues and jargon with SQL. I think you just have to work with this stuff for a bit to start grasping how it all works together. I'm SLOWLY getting there.... but at least I can feel progress none the less.

I have the database about where I want it. I have one more hurdle. I have the Products with their product IDs (PID)... I have the Activities with their activity IDs... I have the Kits with their IDs (KitID). The Kit is an Activity and its ID with all the Products it takes to perform that Activity. So KitID 1 may have Activity 24 which includes Products 4, 8, 10, and 22. I also have the Books with their book IDs (BID) and the Book Kits (BKitID). Each Book Kit has an individual BKitID number and name and takes a Book ID and seeds all the KitIDs and AIDs and Activity Names that go into making that Book. So a BKitID will have with it a KitID and all its associated AIDs+PIDs for each Activity included in the Book. All of this is now working great. I can seed and lookup Activities and all the

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Products that make up the individual Activities. I can also look up the Books and all the Activities that make up that book.

Now the next step. To somehow get in a report....

If we look up a Book, it tells us the Activities that are included in that book and all the Products that go into making up those Activities that make up that Book. I think I'll have to try to get a query that will take the BKitIDs and the KitIDs and bring that information together. If you have any great ideas, let me know!

Anyway, I really appreciate all your help... I love the info on SQL!

Thanks again!

Kass

"strive4peace" <"strive4peace2006 at yaho" wrote:

Hi Kass,

here you are!

Don't let the SQL acronym intimidate you, it is not tough to learn the basics.

~~~~~ SQL  
background ~~~~~

SQL is Structured Query Language

It is a statement to get data out of one or more tables/queries. This is what Access stores for:

1. Queries (just shows the

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QBE grid for convenience

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choose View, SQL)

2. RowSource for  
Comboboxes and Listboxes  
(if list does not  
come directly from a table  
since a query is actually an  
SQL  
statement)

3. RecordSource for Reports  
and Forms (if list does not  
come  
directly from a table)

Queries can be different  
types, for instance:

1. Select
2. Crosstab
3. Make-Table
4. Update
5. Append
6. Delete

Select and Crosstab queries  
show data while the others  
are  
"action" queries" and do not  
display data -- so you  
cannot  
use them for record sources  
or for row sources.

To expand and reiterate:

Queries are a very powerful  
tool in Access -- you can  
do far  
more than simply use them  
to select data

... Queries can be ACTION  
Queries...they DO things,  
not show  
you things

they can add data to a table  
--> APPEND Query

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they can make changes to a table --> UPDATE Query

they can delete records from a table --> Delete Query

they can make tables --> Make-Table Query

they can transpose data --> Crosstab Query (which is also, actually, SELECTing data from a table since there is not action)

Internally, Access stores an SQL (Structured Query Language) statement for queries\*, not the visual representation you see when you design queries -- the QBE (Query-By-Example) grid is for your benefit, so you can use drag-n-drop and pick methods and visually look at things better.

\*this is why it is so important to get comfortable with looking at SQL statements

A great way to become more familiar with SQL is to LOOK at the SQL everytime you make a query. Until you actually start to look, you never realize how easy and sensible it actually is... and It really helps to use Aliases (short abbreviations) for tablename as it makes the SQL statement shorter.

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~~~~~ SELECT  
~~~~~

BASIC SQL SYNTAX

SELECT fieldlist

FROM tablename

IN anotherdatabase.mdb  
WHERE conditions  
GROUP BY fieldlist  
HAVING conditions for  
fields that are grouped  
ORDER BY fieldlist;

~~~~~ APPEND  
~~~~~

An Append Query is a select  
query preceded by

INSERT INTO Tablename  
(field1, field2, etc )

~~~~~ UPDATE  
~~~~~

An Update Query first  
identifies the tables that are  
used

UPDATE table1 INNER  
JOIN table2 ON  
table1.keyfield =  
table2.keyfield

Then identifies what to  
change

SET table1.fieldtochange =  
expression

Then, if you have criteria...

WHERE table.strField =  
'somevalue'  
AND table.numField = 99

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```
AND table.dateField =  
#1/1/06#
```

```
~~~~~ MAKE TABLE  
~~~~~
```

```
SELECT fieldlist  
INTO tablename  
IN  
c:\path\anotherdatabase.mdb
```

```
FROM tablename
```

```
WHERE conditions to  
process before recordset is  
made
```

```
GROUP BY fieldlist  
HAVING conditions for  
fields that are grouped  
ORDER BY fieldlist;
```

```
~~~~~ DELETE  
~~~~~
```

```
DELETE A.*
```

```
FROM tblArticles AS A
```

```
WHERE (A.somefield=2);
```

```
~~~~~ CROSSTAB  
~~~~~
```

```
TRANSFORM  
Count(B.Fieldname1) AS  
FieldAlias
```