

Hi [FirstName],

Simply Access Tips

Issue 6 – 2007

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Welcome to the sixth edition of Simply Access Tips for 2007.

I have added the housekeeping section to the bottom of the Newsletter so, if you need to know how to unsubscribe, white-list, etc., then scroll to the bottom.

Weekly Update

Hello [FirstName],

Not a lot of news to report this week.

My son, who was doing a butcher's apprenticeship, has decided to change to a job where he can earn considerably more money. He has only finished 2 years of the 4 year course, which is a bit disappointing, but he can go back and pick up where he left off if he wishes. He has started his new job. This week he has worked six evening shifts. He hopes to save hard and either buy some houses as investments or build a block of flats (or similar).

I am still training for the Australian Marathon Canoeing titles in the Women's Vet 45 division. I am slowly improving. Information on the race is finally up on the website – I will be paddling 21.6 km (3 laps of the same course). If you are interested in having a look at the relevant website, here is the link:

<http://www.vic.canoe.org.au/?Page=12213>

Talk to you next week.

Julie

Questions

Unfortunately, I am unable to answer individual questions personally via email. Purely due to the fact that all I would do is answer questions. You do, though, have three other options for me to answer your questions:

1) I can include them in an edition of Simply Access Tips (if you do not mind your question being shared). There may be a wait before they are included, depending on how many I have.

2) You can go to All Experts and post your question there; I answer one question per day from All Experts (this helps to keep control of the questions):

<http://www.allexperts.com/browse.cgi?catLvl=3&catID=1440>

If I am not available, there are many other experts.

3) Or, you can subscribe to my Question Subscription Service, \$23.95 AUD per month, for unlimited questions:

<http://www.simply-access.com/MicrosoftAccessQuestions.html>

Learn VBA

You may have noticed I have used VBA code in some of my answers. If you would like to learn this valuable skill to enable you to expand the flexibility of your Microsoft Access database, then click below to get your first lesson free, or cut and paste into your URL Address bar. You will need to scroll to the bottom of the page and enter your information into the form.

<http://www.simply-access.com/LearnVBA.html>

Tips

NOTE: If you are copying code from the tips and find it is not copying correctly – i.e. the html is also being copied, then copy them into NotePad first (not Microsoft Word, as Word keeps the formatting) then copy from NotePad into Microsoft Access.

Tip 1: Adding Two Query Results to the one Report

Question:

How do I create a report wherein I combine two queries into a report that shows one query on top and the other query on the bottom?

Answer:

To do this, try the following:

Open a report in Design view (i.e. do not base it on any table or query). On the toolbox, click on the subreport button, this will start the subreport wizard. Work through the wizard choosing your first query.

When finished, repeat the procedure for your second query.

This will add the two separate queries to your report.

Tip 2: *Summing the Total of a Field in a Query*

Question:

I have a database with two related tables:

1. tb_main_potatoes
2. tb_main_stems

The tables are related by the field Potato ID and there may be many stems for each potato record (but not vice-versa).

For each stem record I have a field named "buds" (contains the number of buds on each stem).

I would like to create an expression that calculates the total number of buds associated with each potato record).

I.e. PotatoID 1 related to stem ID 1, 2,3

stem ID 1 - bud field = 3

stem ID 2 - bud field = 2

stem ID 3 - bud field = 2

I want the expression to return a value of 7.

To achieve this I have run a query with the following expression:

Expr1: DSum("buds","tb_main_stems","PotatoID = 8")

The problem with this expression is that it only returns a value for potatoID 8. Is there an expression that will return the value for each of the 800 potato records in my database in one query run?

Answer:

What you need to do is to create a Totals Query. To do this build a query, as you usually do, adding the PotatoID field and the Bud Field. Then, with the query in

Design view, click on the Totals button on the toolbar - it looks like a funny E. This will add a new row to your query design grid called: 'Total'.

To this new row in the query design grid, add PotatoID to the first column, leaving the total as Group By. Then, in the second column, add BudField and change group by to 'Sum'.

This will group all your potatoes and sum how many buds each potato has.

Tip 3: *Summing the Total of Two Fields in the Same Table*

Question:

I have a selection table like this:

id	colour
100	Blue
112	white
125	yellow
488	green
489	red
500	Pale blue
800	grey
900	brown
1000	Dark green

And I also have another table where the information is introduced via a form:

id	Month	Code of color 1	Code of color2	Cost of color1	Cost of color2
1	January	112	112	100 €	15€
2	January	125	900	12€	54€
3	February	488		47€	
5	March	1000		15€	
6	March	800		26€	
7	April	800		10€	

Currently I want to do a report to do a balance of the cost for each month, in addition to this I would like the description of colour to appear.

I would like to have a report like this:

Month

January

Code of colour	Description	Sum of cost caused by this colour
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112	white	115€
125	yellow	12€
900	brown	54€
	total cost	181€

February

Code of colour	Description	Sum of cost caused by this colour
488	green	47€
	total cost	47€

Etc...

Answer:

To do what you ask you will need to do perform a few steps:

First of all you will need to create a union query to put all the colors into one field and the associated cost into another field, instead of the two fields you have for each currently. To do this:

To build a union query:

Query > New > design view > Close
(i.e. do not add any tables)

Then, on the toolbar, > Query > SQL specific > Union

A window will open for you to write a SQL query.

I will give you a few definitions before I give you the SQL, which will solve the above two problems.

SELECT = the fields you wish to select for the query. Notice the [] brackets. These need to be used and are separated by a comma.

FROM = the table where the fields are located.

WHERE = is like setting the criteria in a query.

In the resulting query, the field names will be those contained in the first SELECT statement.

The field names in the second SELECT statement can be different, but must have the same data type.

```
Select [Month],[CodeofColor1],[CostForColor1]etc
FROM [tblname]
```

```
UNION ALL SELECT [Month],[CodeofColor2],[CostForColor2]etc  
FROM[tblName];
```

Change tblName to the name of the table and check the spelling for the above field types.

Once you have created the above query, run it to check that you do not receive any errors.

Then, create another query:

This time it will be a normal select query, but it will be based on the first query. Include all the fields.

With this query in Design view, click on the Totals button on the toolbar - it looks like a funny E. This will add a new row to your query design grid, 'Total'.

Leave the 'total' row as Group By for the month column and the colorcode column then, in the the colorcost column, change group by to 'Sum'

This will group all your months and codes and sum how much each color costs for each month.

Create a report, based on the above query, adding all the fields:

Choose to group the report (when prompted to do so) by "Month" or whatever the field name is that stores the month data.

This will create a report with each month grouped together.

Finally, to sum the total cost for each month, in the footer for month (to view, click on the Sorting Grouping button on the toolbar, select month and choose footer in the group properties section) and add an unbound text box with the following:

```
=Sum(NameOfCostField)
```

Change the NameOfCostField to the text box name of the sum of the individual colors. This will display the sum of the costs for the month for all the colors.

When you are finished open your report to check you get the results you expect.

Housekeeping

Once again, just a quick reminder: Please ensure the following email address is white-listed with your ISP:

jmisson@iprimus.com.au

This will ensure the weekly arrival of this Newsletter.

Unsubscribe

To unsubscribe to this Newsletter, just hit the REPLY button and type UNSUBSCRIBE in the subject section of the Email. I will remove you from my emailing list and send you an email to let you know I have removed you from my list. You will not receive any more Newsletters unless you re-apply via the website.