

## Re: Two different totals from one field depending on criteria

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- *From:* Marshall Barton <[marshbarton@xxxxxxxxxx](mailto:marshbarton@xxxxxxxxxx)>
  - *Date:* Sat, 10 Nov 2007 17:27:25 -0600
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It is not unusual for one bad aggregate expression to mess up the others. Stay concentrated on the one we've been trying to work out.

If Sum(Hours) worked, it implies that either your syntax is incorrect (double check the parenthesis, etc) or that Day is not the name of the **\*\*field\*\*** in the form's record source table/query (double check the spelling of the field names). Or maybe the Hours field in the table is a Text field (or the foirm's record source is a query that somehow converted Hours to Text.

If that doesn't clarify things for you, please post a Copy/Paste of the week1 text box control source expression along with a Copy/Paste of the form's record source query's SQL view.

—  
Marsh  
MVP [MS Access]

SherryScrapDog wrote:

Thanks. I think I get it now as far as the field versus the control. My text boxes are in the form footer and I already had (and still have) a text in the footer for =Sum(Hours) and that worked fine. Now, none of my totals are working. I will keep trying. Again, thanks because I have more info than I did! Sherry

"Marshall Barton" wrote:

Be sure you understand the difference between a field in a table/query and a control on a form/report. A control can be bound to a field in the form/report's record source and a lot of pepole get confused and call the control a field.

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This usually doesn't cloud communications too much because the rest of the sentence usually provides enough clues to figure out which meaning is being discussed. In your case, as for a lot of others, it is critical to understand that the aggregate functions (Count, Sum, Avg, etc) only operate on fields, they are unaware of controls.

It is also important to understand that a text box control with an aggregate expression need to be in a header/footer section (but not the page header/footer).

You did not post the expression you used, but I think the Week1 textbox expression should be like:

```
=Sum(IIf(Day > 20, Hours, 0))
```

SherryScrapDog wrote:

Thanks for this info! It makes sense to me, but I'm doing something wrong as I get error as a result. My fields employee, day and hours are all in the SQL statement for the form; is this what you mean, and are these the fields you mean when you say they must be in the form's record source table query? Maybe I need more explanation here?

Then, on the form, for my Week1 textbox, I put the formula (replacing Hours for somefield) in the Control expression. Maybe this is not right either because you say not to use a Textbox, but I don't know where else to put the formula.

I'm sorry for more questions. I sure need to learn more. If you can help more, thanks! Sherry

"Marshall Barton" wrote:

SherryScrapDog wrote:

I have an employee scheduling database that schedules employees for a 2-week

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period. I keep track of the days of the weeks by using 'Days' 11–17 (week 1, day 1 thru day 7) and 'Days' 21–27 (week 2, day1 thru day 7). I have a schedule screen for an employee that shows all the days and timeslots they are scheduled for with a total for the hours at the bottom. However, now the user would like to have separate totals by week (not a separate schedule, just the totals). I tried some things but am not experienced enough to figure out how to get one total (Day < 20) and another total (Day > 20) to display on the screen. Is this possible? I assume VBA code, but can't figure out exactly how.

You can use this kind of expression in a form/report header/footer section to get totals for the all the records in the form/report. A critical requirement here is that the fields must be in the form/report's record source table query, not text box controls in the form/report.

=Sum(IIf(Day < 20, 1, 0))  
will count the number of records where the Day field is less than 20. To conditionally sum a field, you can use:  
=Sum(IIf(Day < 20, somefield, 0))

This kind of expression also works in a totals type query.