

## Re: trouble with SUM function – Repost

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- *From:* Marshall Barton <[marshbarton@xxxxxxxxxx](mailto:marshbarton@xxxxxxxxxx)>
  - *Date:* Tue, 02 Jan 2007 12:36:34 -0600
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The problem is that when you reference a value before it has been calculated, you can get all kinds of strange values. Depending on the version of Access, it might be the value from a previous group or the value in the first record in the current group or ???.

Getting the footer value to display correctly in the header is a somewhat convoluted exercise that should be avoided if you can live with it in the footer, or alternatively do the calculations in the record source query.

Sorting the report by a calculated value requires the calculation to be done in the report's record source query. This is usually not particularly difficult if you use a Totals query to calculate the group total and then Join the query to the table/query you are using now. Combining the need to sort and the desire to display the total in the group header, I think using the query approach is clearly the way to go.

—  
Marsh  
MVP [MS Access]

Slez via AccessMonster.com wrote:

Thanks for your reply Marshall! I was able to get it to work in the ProjectName Footer with the following Control Source: =Sum([LineTotalSellPrice])+[txtRunUseTax]+[txtRunSalesTax]  
I named this control txtProjectTotal.

In the interest of compacting the report a bit, my hope was to have this total show in the ProjectName Header, so I added a control in that and entered the following Control Source: =txtProjectTotal

Doing that not only gave me an incorrect total in that added control, but the control in the footer actually changed to the incorrect value also. Incidentally, it only added the sum of the "Tax" controls from the first record

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in the BidNumber group. Seems strange, but I'm wondering if you have any thoughts as to why that would occur. I can certainly live with the total in the footer.

Also, do you know if it's possible to sort the report in descending order by the values it generates in the control txtProjectTotal?

Marshall Barton wrote:

OOPS!...Hit something as I was typing that made it post...Here is the "complete" post!

[quoted text clipped – 22 lines]

All of these have failed to work. In the first 2 cases, it prompts me for BidTotal when I run the report.

The aggregate functions only operate on **fields** in the report's record source table/query. They are unaware of **controls** in the report.

To total a control (named txtA) in a group header/footer, you can add a text box (named txtRunA) next to txtA. Set txtRunA control source property to =txtA and its RunningSum property to Over Group.

Then the next higher level group footer can display the total in a text box with the expression =txtRunA

In your case a ProjectNameTotal text box would have an expression like:  
=Sum([LineTotalSellPrice])+txtRunSalesTaxAmount+txtRunUseTaxAmount