

Re: Sum,Sort, Format, and Date Range

Source: <http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2005-03/0919.html>

From: MGFoster (*me_at_privacy.com*)

Date: 03/07/05

Date: Mon, 07 Mar 2005 22:01:04 GMT

finster26 wrote:

> *I have a DATE/TIME field and a Currency field.*
>
> *I am formatting the date to "mmmm, yyyy" then GROUPING the by month/year and*
> *SUM the Currency field.*
>
> *I want to be able to select records between dates. I cannot use criteria in*
> *the formatted date field to select the records bewteen dates. Formatted date*
> *is a String. I also want to sort the formatted Date field but I it will not*
> *sort correctly because it's a String.*
>
> *SELECT DISTINCTROW Format([DIE HEADINGS].[DATE],'mmmm yyyy') AS [DATE By*
> *Month], Sum([DIE HEADINGS].[COST DIECOST]) AS [Sum Of COST DIECOST]*
> *FROM [DIE HEADINGS]*
> *GROUP BY Format([DIE HEADINGS].[DATE],'mmmm yyyy');*
>
> *What is the appropriate way to add the criteria and sort the records by*
> *Month/Year?*

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Hash: SHA1

Use the original [Date] column in a WHERE clause to set the criteria for the query. BTW, 'Date' is a reserved keyword in most RDBMS and, therefore, shouldn't be used as a column name.

Usually, it is best to let query's get the raw data & let the display layer (reports, forms) "pretty it up." Therefore, you'd just let the query produce numbers & let the display layer apply words to those numbers. In this case the number->word transform should be on the month.

Try this:

```
PARAMETERS [Start Date?] Date, [End Date?] Date;
SELECT DISTINCTROW Year([DATE]) As Yr, Month([Date]) As Mon,
Sum([COST DIECOST]) AS [Sum Of COST DIECOST]
FROM [DIE HEADINGS]
```

microsoft.public.access.queries: Re: Sum,Sort, Format, and Date Range

```
WHERE [Date] Between [Start Date?] And [End Date?]  
GROUP BY Year([DATE]), Month([Date])  
ORDER BY Year([DATE]), Month([Date])
```

In Access SQL, the ORDER BY clause is not needed, since the GROUP BY clause is exactly the same, and, in Access SQL, the GROUP BY orders its column list in ascending order.

Put the above SQL in a QueryDef and in the QBE design grid on the Mon column – right click & select Properties. Under the General tab in the Format property, enter "mmmm" (without the quotes). When the query runs it will display the month name, and the order will be in chronological order. The use of the Format property on the QueryDef is an adjustment of the display layer. The underlying data are still numbers, the Format property changes the display of the underlying data.

```
--  
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