

Re: running sum in a query for a calculated field

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2008-02/msg01148.html>

- *From:* SMT <SMT@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 21 Feb 2008 05:57:02 -0800
-

I dont know if I really made clear what my problem was now after reading my post again this morning but where the 0 for completed is for 7/1/2008, I really need to see 63 which is the previous months totals brought forth, so my graph will plot correctly. So everywhere this is a 0 or no entry I need the total brought forth so it continues a running sum throughout.

thanks
Susie

"SMT" wrote:

Thanks so much, I sure appreciate you hanging in there with me. I have put that code into my query and now I just need one more thing. I need a line chart that shows planned versus actual by (cumulative) month so what I have now is:

Planned	Completed	myMonths	dir
21	21	10/1/2007	E
46	47	11/1/2007	E
58	59	12/1/2007	E
61	62	1/1/2008	E
62	63	2/1/2008	E
63	0	7/1/2008	E
64	64	12/1/2008	E

And what I need is:

Planned	Completed	myMonths	dir
21	21	10/1/2007	E
46	47	11/1/2007	E
58	59	12/1/2007	E
61	62	1/1/2008	E
62	63	2/1/2008	E
63	63	7/1/2008	E
64	64	12/1/2008	E

How can I do that?

Re: running sum in a query for a calculated field

"Michel Walsh" wrote:

Use Nz on the 'right side' table, like:

```
SELECT Nz(testingplanned.Planned, 0),  
Nz(testingactual.Completed, 0),  
AllDates.myMonths,  
AllDates.dir  
FROM (AllDates LEFT JOIN testingplanned ON AllDates.myMonths =  
testingplanned.myMonths) LEFT JOIN testingactual ON  
AllDates.myMonths =  
testingactual.myMonths;
```

that will change the NULL to a zero. You can, next, make the running sum (I am lost at where, which step exactly) we are, but I assume it is before making the running sum).

Vanderghast, Access MVP

"SMT" <SMT@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:AF775586-8F5D-499E-8FBC-F1042B51F631@xxxxxxxxxxxxxxxxxxxx

Well I am getting there and I sure do appreciate your assistance but I need a little more. Below is the results after your last suggestions. I made one adjustment and added the Dir to the union select. So I have all the dates showing however for the months that have a planned and no actual or vice versa I need to have that month be a 0 and the cumulative count continue down. So for example below for the date of 7/01 the completed sum should be 62 for 11/01 the planned should be 64.

```
SQL SELECT testingplanned.Planned,  
testingactual.Completed,  
AllDates.myMonths, AllDates.dir  
FROM (AllDates LEFT JOIN testingplanned ON
```

Re: running sum in a query for a calculated field

```
AllDates.myMonths =  
testingplanned.myMonths) LEFT JOIN testingactual ON  
AllDates.myMonths =  
testingactual.myMonths;
```

Results

```
Planned Completed myMonths dir  
21 20 10/1/2007 E  
46 46 11/1/2007 E  
58 58 12/1/2007 E  
61 61 1/1/2008 E  
62 62 2/1/2008 E  
63 7/1/2008 E  
64 63 10/1/2008 E  
64 11/1/2008 E
```

"Michel Walsh" wrote:

You could use a full outer join, but that is not supported by Jet. You can simulate it, though.

Make a first query will all the 'dates':

```
SELECT myMonths FROM testingplanned  
UNION  
SELECT myMonths FROM testingactual
```

save it, say, under the name AllDates.

Then, use:

```
SELECT testingplanned.Planned,  
testingactual.Completed,  
testingplanned.Dir,  
testingactual.Dir,  
testingplanned.myMonths,  
testingactual.myMonths  
FROM (AllDates LEFT JOIN  
testingplanned  
ON AllDate.myMonths =  
testingplanned.myMonths)  
LEFT JOIN testingactual  
ON AllDates.myMonths =
```

Re: running sum in a query for a calculated field

testingactual.myMonths

Hoping it may help,
Vanderghast, Access MVP

"SMT"

<SMT@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:3CBC272B-368F-4F36-9628-40A6B45D076A@xxxxxxxxxxxxxxxxxxxx

Thanks again, that worked just fine. Now I created the query from those two queries, however if I have a month were I have a planned but no completed or vice versa then it doesnt show unless they are equal. See my SQL below and please tell me how I can get the month to show even if it may not have both a planned and completed.

```
SELECT
testingplanned.Planned,
testingactual.Completed,
testingplanned.Dir,
testingactual.Dir,
testingplanned.myMonths,
testingactual.myMonths
FROM testingplanned
INNER JOIN testingactual
ON
testingplanned.myMonths
=
testingactual.myMonths;
```

Thanks again for all you help, it is greatly appreciated.

Re: running sum in a query for a calculated field

"Michel Walsh" wrote:

You are not
doing
anything
wrong,
Access
query
designer is
not able to
display
not-equi
join,
graphically
(a join
implying
something
else
than
the operator
= is a
"not-equi
join").

You can
give alias to
expression
adding AS
and the
name you
want, in
the
SELECT
clause:

```
SELECT  
a.myMonths  
AS  
theMonth,  
LAST(a.monthCount)  
AS  
countThisMonth,  
SUM(b.monthCount)  
AS  
cumulativeMonth,  
LAST(a.dir)
```

Re: running sum in a query for a calculated field

```
AS thisDir
FROM
qSUM AS a
INNER
JOIN qSum
AS b
ON
a.myMonths
>=
b.myMonths
GROUP
BY
a.myMonths
ORDER
BY
a.myMonths
DESC;
```

You can make another query using your two different queries, to join them through their common field theMonth. You can probably use the graphical interface, in that last case.

Hoping it may help,
Vanderghast,
Access
MVP

Re: running sum in a query for a calculated field

"SMT"

<SMT@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in

message

news:6093519D-C002-4312-9861-365C4FA75517@xxxxxxxxxxxxx

Hello,

I

thank

you

for

the

help.

I

created

the

queries

as

you

listed

below

but

since

I

have

a

Planned

and

an

Completed

date

(field

name

of

completed

date

is

Date

published_presented)

I

created

two

queries.

qsum

and

in

that

query

I

Re: running sum in a query for a calculated field

used
exactly
as
you
have
listed
below
but
changed
monthCount
to
Planned
and
then
I
made
another
query,
qsum2
for
the
completed
date
and
changed
monthCount
to
Completed.
The
I
made
the
second
queries
changing
monthCount
to
Planned
and
Completed
as
required.
The
calculations
seem
to
be
working
correctly,
however
only

Re: running sum in a query for a calculated field

the
myMonth
shows
as
a
field
title
the
other
titles
are
Expr1001,
Expr1002,
Expr1003
(in
both
of
the
secondary
queries).
And
I
cant
get
into
the
design
view
(can
only
view
the
sql).
I
get
error
Microsoft
Office
Access
cant
represent
the
join
expression
a.myMonths.
>=b.myMonths
in
Design
View.
What
am

Re: running sum in a query for a calculated field

I
doing
wrong
there.

When
I
get
this
correct
I
think
I
need
to
do
a
join
so
that
I
can
get
both
of
the
cumulative
values
for
planned
and
completed
in
one
query
so
that
I
can
make
a
line
graph
comparison
of
planned
and
completed
through
the
months.

Re: running sum in a query for a calculated field

That
is
my
ultimate
goal.

Thanks
for
all
your
help
so
far,
it
has
gotten
me
very
very
close.

"Michel
Walsh"
wrote:

I
would
use
a
second
query.

I
would
also
change
your
actual
query
to:

```
SELECT  
planneddate+1-DatePart("d",  
planneddate)  
AS  
myMonths,  
Count(*)  
AS
```

Re: running sum in a query for a calculated field

```
monthCount,  
dir  
FROM  
qryMaintbl  
WHERE  
(((qryMaintbl.dir)  
Like  
[Enter  
Directorate]))  
GROUP  
BY  
planneddate+1-DatePart("d",  
planneddate)  
,  
dir
```

(saved
under
the
name
qSum).
I
kept
REAL
dates,
for
the
month,
so
I
can
easily
navigate
over
years,
and
the
month
ordering
will
not
depend
on
their
alphabetical
NAME
ordering.

Then,
the

Re: running sum in a query for a calculated field

new
query,
the
one
you
will
call
to
see
the
results:

```
SELECT
a.myMonths,
LAST(a.monthCount),
SUM(b.monthCount),
LAST(a.dir)
FROM
qSUM
AS
a
INNER
JOIN
qSum
AS
b
ON
a.myMonths
>=
b.myMonths
GROUP
BY
a.myMonths
ORDER
BY
a.myMonths
DESC;
```

And
note
that
now,
December
will
be
BETWEEN
January
and
November,
as

Re: running sum in a query for a calculated field

I
assume
you
want
it,
really,
AND
that
the
running
sum
will
be
historical,
ie,
starting
from
the
oldest
date
and
growing
up,
with
time.

Hoping
it
may
help,
Vanderghast,
Access
MVP

"SMT"
<SMT@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:84654F36-932B-4A77-8C66-CBECAAEFEC

I
have
a
qry
to

Re: running sum in a query for a calculated field

sum
the
planneddate
field
in
my
maintbl
and
groups
it
by
month.

I
need
the
sum
of
those
grouped
totals
in
a
cumulative
format.

See
my
sql
from
the
qry
and
please
help
me
get
this
column
to
be
cumulative

```
SELECT  
Format([planneddate],"mmm")  
AS  
PlannedCumulativeMonth,  
Count(*)  
AS  
PlannedCumulativeCount,  
qryMaintbl.dir  
FROM  
qryMaintbl
```

Re: running sum in a query for a calculated field

```
GROUP
BY
Format([planneddate],"mmm"),
qryMaintbl.dir,
Month([planneddate])
HAVING
(((qryMaintbl.dir)
Like
[Enter
Directorate]))
ORDER
BY
Format([planneddate],"mmm");
```