

RE: Repost – help to merge 2 queries

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2008-11/msg01849.html>

- *From:* Clifford Bass <CliffordBass@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 26 Nov 2008 14:16:03 -0800
-

Hi Mike,

You are welcome. Here is something to try:

```
SELECT C.Date,  
Sum([A].[ASA]*IIf(IsNull([B].[Site]),Null,[A].[Calls]))/Sum(IIf(IsNull([B].[Site]),Null,[A].[Calls]))  
AS ASA, Sum(IIf(IsNull([B].[Site]),Null,[A].[Calls])) AS Calls  
FROM (C LEFT JOIN A ON C.Date = A.Date) LEFT JOIN B ON (A.Site = B.Site) AND  
(A.Skill = B.Skill)  
GROUP BY C.Date;
```

I will be interested if it works for more than the test data. The key seems to be to do both of the left joins and to check the value of B.Site (or B.Skill) while doing the summing in order to tell it which values to include/exclude.

Nice question!

Clifford Bass

"uk_firebrand" wrote:

Hi Clifford,

Again, appreciate the reply. I am not in work but sample data / construct as follows: –

Table A (Raw Data)
Date Site Skill ASA Calls
01/01/2008 1 1 1 10
01/01/2008 1 2 1 10
01/01/2008 1 3 1 10
01/01/2008 2 1 1 10
01/01/2008 2 2 1 10
01/01/2008 2 3 1 10
01/01/2008 3 1 1 10
01/01/2008 3 2 1 10

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01/01/2008 3 3 1 10

Table B (Criteria i.e. a department)

Inner Joins on Table A

Site Skill

1 1

1 2

2 1

3 2

3 3

Table C (Dummy Table)

Left Join Table A

Date

01/01/2008

02/01/2008

etc

etc

etc

Expected results are as seen when using 2 separate queries i.e: –

1st query with inner joins between table A and B (Skill/Site Fields)

2nd query with left join on Table C and 1st query (Date field)

Results Query

Date ASA Calls

01/01/2008 1 50

02/01/2008 Blank Blank

03/01/2008 etc etc

etc etc etc

Date – All dates from Table C i.e. left join on Table A to show results

where exist, nulls if no results for a date

Results where Skill & Site in Table A/B match (inner joins)

Calculated fields: ASA – Equivalent of $\text{SumProduct(ASA,Calls)/Sum(Calls)}$

Calls – Sum(Calls)

I hope the above makes sense.

I've quickly read the reply from John Spencer and what he has written lends itself to my knowledge of SQL – with a bit of MS syntax shenanigans thrown in there to confuse us poor souls – but, as I said, I am not in work to test this. I will do tomorrow. Thanks John!!

Thanks again – like everyone else in these forums, I really appreciate the generosity of all the people who donate their time / expertise in answering these posts.

Best regards to you all. . .

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Mike Peate