

Re: Calculated Query Fields Using DateDif Function

Source: <http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2004-09/2602.html>

From: Gary Walter (garylwpleasenosspam_at_wamego.net)

Date: 09/24/04

Date: Fri, 24 Sep 2004 10:53:20 -0500

was the dearth of response due to me forgetting FROM clause in main query?

```
SELECT
"Internet" AS [Sub-Market],
Reservations.ARRIVAL AS [Arrival Date],
Max(SELECT
    Sum(R.UNITS)
    FROM Reservations As R
    WHERE
    (R.ARRIVAL = Reservations.ARRIVAL)
    AND
    (DateDiff("d",R.[BOOKING], R.[ARRIVAL])<=7)
    AND
    (R.CANCEL Is Null)
    AND
    (R.MRKT="I")) AS UnitCnt
FROM Reservations
WHERE
Reservations.ARRIVAL Between [Start Date] And [End Date]
GROUP BY "Internet", Reservations.ARRIVAL
ORDER BY Reservations.ARRIVAL;
```

"Gary Walter" <garylwpleasenosspam@wamego.net> wrote in message news:eglgOQLoEHA.3876@TK2MSFTNGP15.phx.gbl...

> *Hi Bill,*

>

> *Ken has correctly identified how difficult*
> *your question is to decipher without example*
> *data, but on a *wild hunch*, you might try*
> *the following for your Select portion of your*
> *INSERT query:*

>

> *SELECT*

> *"Internet" AS [Sub-Market],*

> *Reservations.ARRIVAL AS [Arrival Date],*

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> *Max(SELECT*
> *Sum(R.UNITS)*
> *FROM Reservations As R*
> *WHERE*
> *(R.ARRIVAL = Reservations.ARRIVAL)*
> *AND*
> *(DateDiff("d",R.[BOOKING], R.[ARRIVAL])<=7)*
> *AND*
> *(R.CANCEL Is Null)*
> *AND*
> *(R.MRKT="I")) AS UnitCnt*
> *WHERE*
> *Reservations.ARRIVAL Between [Start Date] And [End Date]*
> *GROUP BY "Internet", Reservations.ARRIVAL*
> *ORDER BY Reservations.ARRIVAL;*
>
> *just a wild hunch and obviously untested...*
>
> *Good luck,*
>
> *Gary Walter*
>
> *"Bill Hamill" wrote:*
> > *The data relate to hotel reservations. Specifically,*
> > *rooms booked over the past 7 days, in order of arrival*
> > *date for whatever period my boss wants to look at*
> > *(generally 150 days out).*
> >
> > *I'm shooting for the following results:*
> >
> > *Generic Label (i.e. Market Segment)*
> > *Arrival Day (Date), ascending sort*
> > *Room Sold (How many rooms were booked for this arrival*
> > *date in the past 7 days; Arrival Date – Booking Date <=7)*
> >
> >
> > *-----Original Message-----*
> > > *Not knowing what the data are nor which dates you're*
> > > *entering for start and*
> > > *end, let me make a general observation. Your query is*
> > > *doing a second filter*
> > > *through the HAVING clause. What this query does is select*
> > > *records that meet*
> > > *the WHERE clause constraints, then it GROUP BY acts on*
> > > *those records, and*
> > > *then it tests for the grouped records that meet the*
> > > *HAVING clause*
> > > *constraint.*
> > >
> > > *My guess is that this HAVING clause is what is causing*
> > > *you to see just the*

> > > limited set of records. Perhaps it should be changed to
> > be part of the WHERE
> > clause:
> > >
> > > INSERT INTO RoomSaleCount ([Sub-Market], [Arrival Date],
> > > [Rooms Sold])
> > > SELECT "Internet" AS [Sub-Market], Reservations.ARRIVAL AS
> > > [Arrival Date], Sum(Reservations.UNITS) AS [Rooms Sold]
> > > FROM Reservations
> > > WHERE (((Reservations.ARRIVAL) Between [Start Date] And
> > > [End Date])) AND
> > > ((DateDiff("d",[Reservations].[BOOKING],
> > > [Reservations].[ARRIVAL]))<=7) AND ((Reservations.CANCEL)
> > > Is Null) AND ((Reservations.MRKT)="I"))
> > > GROUP BY "Internet", Reservations.ARRIVAL
> > > ORDER BY Reservations.ARRIVAL;
> > >
> > >
> > > --
> > >
> > > Ken Snell
> > > <MS ACCESS MVP>
> > >
> > >
> > > "Bill Hamill" <whamill@boardwalklv.com> wrote in message
> > > news:35f701c4a040\$d80c6aa0\$a501280a@phx.gbl...
> > > > Greetings,
> > > >
> > > > I'm having a *major* problem with some query logic and
> > > > was
> > > > hoping somebody could help me 'think outside the box'.
> > > > Here's my pseudo-code:
> > > >
> > > > Search Reservations Table within a user specified time
> > > > frame (Start Date & End Date ... parameters)
> > > >
> > > > Output a generic label, Reservations.ArrivalDate, Sum
> > > > (Reservations.Units)
> > > >
> > > > Discriminators
> > > >
> > > > 1. Reservations.MRKT = "I"
> > > > 2. Reservations.ArrivalDate - Reservations.BookingDate
> > > > <=
> > > > 7 days
> > > >
> > > > Real basic: I need the query to return all results from
> > > > the user-specified time frame, but the daily totals can
> > > > only be drawn from the past 7 days.
> > > >
> > > > Now here where I'm screwing up: The calculations

