Date Functions in SQL for DB2 / AS400 / iSeries

This is a discussion on *Date Functions in SQL for DB2 / AS400 / iSeries* within the **IBM AS400** forums, part of the Systems category; Hi, I'm kinda new to AS400, having been lounging in SQL Server land for years. I'm writing SQL queries to generate data for a web app. How does one perform ...

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🗎 **Date Functions in SQL for DB2 / AS400 / iSeries**

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🗋 10-04-2007, 10:48 PM   #**1**

🗎 **Date Functions in SQL for DB2 / AS400 / iSeries**

Hi, I'm kinda new to AS400, having been lounging in SQL Server land for years. I'm writing SQL queries to generate data for a web app. How does one perform date difference 'arithmetic' against date columns?

For example
SELECT CURDATE() - "30 Days"?

Any tips would be greatly appreciated.

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🗋 10-04-2007, 10:48 PM   #**2**

🗎 **Re: Date Functions in SQL for DB2 / AS400 / iSeries**

On 2 Apr., 06:22, "travo" wrote:
> Hi, I'm kinda new to AS400, having been lounging in SQL Server land
> for years. I'm writing SQL queries to generate data for a web app. How
> does one perform date difference 'arithmetic' against date columns?
>
> For example
> SELECT CURDATE() - "30 Days"?
>
> Any tips would be greatly appreciated.

Hi,

just remove the double qoutes!

Select Current_Date - 30 Days
>From SysIBM/SysDummy1

Birgitta

📝 Quote

🗋 10-04-2007, 10:48 PM   #**3**

🗎 **Re: Date Functions in SQL for DB2 / AS400 / iSeries**

> just remove the double qoutes!
> Select Current_Date - 30 Days
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Thanks Birgitta, the quotes were just to surround the plain language phrase that I had in place, sorry for the confusion - I did try your technique though - just to be sure - and unfortunately I had no luck.

I did have more luck working with the JULIAN_DAY() function - it allowed me to perform some day-based arithmetic on the columns I was working with.

I'm still open for suggestions, but for now I've got things working.

Cheers,
Travis

📝 Quote

🗋 10-04-2007, 10:48 PM   #**4**

🗎 **Re: Date Functions in SQL for DB2 / AS400 / iSeries**

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> working with.
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>
> Cheers,
> Travis

Travis,

I have an SQLRPGLE program that is calculating a date 30 days in the
past. The full embedded statement I am using is:

C/EXEC SQL
C+ select (CURRENT_DATE - 30 DAYS) into :CvtDate
C+ from SYSIBM/SYSDUMMY1
D/END-EXEC

Seems to me there was some significance to the parenthesis around the
date. You might try that one.

Hope my $.02 is really worth it. 🙂

Duane

--

Quote

#5

Re: Date Functions in SQL for DB2 / AS400 / iSeries

On Apr 2, 10:28 am, RevDuane
wrote:
> > > just remove the double qoutes!
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> date. You might try that one.
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>
> Duane

They worked for me in SQL Script Processor window with or without the
parentheses. I successfully ran all of the following and got the
correct results:

select current date - 5 years from sysibm.sysdummy1;

select current date - 3 months from sysibm.sysdummy1;

```
select current date - 30 days from sysibm.sysdummy1;
```

It could be the original poster is on a version/release of OS/400 that doesn't support these.

Re: Date Functions in SQL for DB2 / AS400 / iSeries

On Apr 2, 12:28 pm, RevDuane
wrote:
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> date. You might try that one.
>
> Hope my $.02 is really worth it. 🙂
>
> Duane
>
> --- Hide quoted text -
>
> - Show quoted text -

Duane, I don't think think you need to run the actual SELECT in
embedded SQL. Using VALUES clause should suffice, i.e.:

C/EXEC SQL
C+ VALUES(CURRENT_DATE - 30 DAYS) into :CvtDate
D/END-EXEC

It may save few MIPs of runtime.

Elvis

Re: Date Functions in SQL for DB2 / AS400 / iSeries

> C/EXEC SQL
> C+ VALUES(CURRENT_DATE - 30 DAYS) into :CvtDate
> D/END-EXEC

Instead of values(), also SET can be used:

C/Exec SQL Set :CvtDate = Current_Date - 30 Days
C/End-Exec

I assume, because the orignal poster has to use the scalar function
Julian_Day(), the date stored in the database file was no real date,
but a character representation of a date. To convert a character
representation into a date also the scalar function DATE() can be
used.

Birgitta

[Quote]

[Post Reply]

All times are GMT -5. The time now is 10:10 AM.