Teams
Q&A for work
Learn More


```
if (dev.isBored() || job.sucks()) {
  searchJobs({flexibleHours: true, companyCulture: 100});
}
// A career site that's by developers, for developers.
```
stackoverflow jobs
Get started

SQL query, store result of SELECT in local variable

asked 6 years, 8 months ago
viewed 86,733 times
active 1 month ago

43

I create a query with some results reused. I search a way to put the result into a variable and use it.

A simple way to see what I want something looking like this - I want this:

```
DECLARE @result1 ?????

SET @result1 = SELECT a,b,c FROM table1
SELECT a AS val FROM @result1
UNION
SELECT b AS val FROM @result1
UNION
SELECT c AS val FROM @result1
```

Not this :

```
 SELECT a AS val FROM (SELECT a,b,c FROM table1)
 UNION
 SELECT b AS val FROM (SELECT a,b,c FROM table1)
 UNION
 SELECT c AS val FROM (SELECT a,b,c FROM table1)
```

It's not the result of this query that I'm concerned with, but instead:

1. to stop selecting the result so many times - in my sample, I reselected the table 3 times
2. the query of `@result1` is usually so much more complex. So, with a variable, the code will be cleaner.

Maybe I want to much - or there's a type of local variable. Or using the type table and set data inside.

What do you suggest me?

Thank you

sql-server-2005

FinCompare GmbH
Financial Technology
Senior Python/Django Backend Engineer (m/f/d) for fast growing FinTech startup
Berlin, Germany €50k - €70k
Paid relocation Visa sponsor
python mysql
React/Redux Frontend Engineer (m/f/d) for fast growing FinTech startup
Berlin, Germany €45k - €65k
Paid relocation Visa sponsor
reactjs redux
View all 2 job openings!

Westwing Home & Living
Retail

By using our site, you acknowledge that you have read and understand our Cookie Policy, Privacy Policy, and our Terms of Service.

1254

add a comment

4 Answers

active oldest votes

48

You can create table variables:

```
DECLARE @result1 TABLE (a INT, b INT, c INT)

INSERT INTO @result1
SELECT a, b, c
FROM table1

SELECT a AS val FROM @result1
UNION
SELECT b AS val FROM @result1
UNION
SELECT c AS val FROM @result1
```

This should be fine for what you need.

share improve this answer

answered Apr 27 '12 at 18:11
Vince Pergolizzi
4,048 1 14 15

yeah, that was what I think I should do. I just post it to know if theres another way. Tank you. – forX Apr 27 '12 at 18:19

add a comment

Love remote work?
Find it on a new kind of career site
stackoverflow jobs
Get started

12

Here are some other approaches you can take.

1. CTE with union:

```
;WITH cte AS (SELECT a, b, c FROM table1)
SELECT a AS val FROM cte
UNION SELECT b AS val FROM cte
UNION SELECT c AS val FROM cte;
```

2. CTE with unpivot:

```
;WITH cte AS (SELECT a, b, c FROM table1)
SELECT DISTINCT val
FROM cte
UNPIVOT (val FOR col IN (a, b, c)) u;
```

share improve this answer

answered Apr 27 '12 at 19:24
Anthony Faull
13.1k 4 35 65

1 with cte seems interesting. dont need to create table of each row. tank you – forX Apr 27 '12 at 19:42

@AnthonyFaull thanks to answer. But, how about an `in(statement)` statement? – javad amiry Sep 27 '14 at 21:51

add a comment

1

Isn't this a much simpler solution, if I correctly understand the question, of course.

I want to load email addresses that are in a table called "spam" into a variable.

```
select email from spam
```

produces the following list, say:

```
.accountant
.bid
.buiilldanything.com
.club
.cn
.cricket
.date
.download
.eu
```

To load into the variable @list:

```
declare @list as varchar(8000)
set @list += @list (select email from spam)
```

@list may now be INSERTed into a table, etc.

I hope this helps.

To use it for a .csv file or in VB, spike the code:

```
declare @list as varchar(8000)
set @list += @list (select '"'+email+'","' from spam)
print @list
```

and it produces ready-made code to use elsewhere:

```
".accountant,"
".bid,"
".buiilldanything.com,"
".club,"
".cn,"
".cricket,"
".date,"
".download,"
".eu,"
```

One can be very creative.

Thanks

Nico

share improve this answer

edited Apr 26 '16 at 16:50

answered Apr 26 '16 at 16:40
Nico van Niekerk
11 3

add a comment

0

I came here with a similar question/problem, but I only needed a single value to be stored from the query, not an array/table of results as in the orig post. I was able to use the table method above for a single value, however I have stumbled upon an easier way to store a single value.

```
declare @myVal int;
set @myVal = isnull((select a from table1), 0);
```

Make sure to default the value in the isnull statement to a valid type for your variable, in my example the value in table1 that we're storing is an int.

share improve this answer

answered Nov 27 '18 at 20:50
G. Gordon Nasseri
11 1

add a comment

Your Answer

Sign up or log in
Sign up using Google
Sign up using Facebook
Sign up using Email and Password

Post as a guest
Name
Email
Required, but never shown

Post Your Answer

By clicking "Post Your Answer", you acknowledge that you have read our updated terms of service, privacy policy and cookie policy, and that your continued use of the website is subject to these policies.

Not the answer you're looking for? Browse other questions tagged sql-server-2005 or ask your own question.

php symfony2
IT Operations Manager (m/f)
München, Deutschland Paid relocation
Visa sponsor
mysql cloud
Tech Lead - Node/React (m/f) - Munich, Germany
München, Deutschland Paid relocation
Visa sponsor
reactjs node.js
View all 3 job openings!

Related

48 Calculate execution time of a SQL query?
1404 Insert results of a stored procedure into a temporary table
557 SQL update query using joins
265 SQL Server - SELECT FROM stored procedure
334 SQL Server query - Selecting COUNT(*) with DISTINCT
20 Add empty row to query results if no results found
37 SQL Stored Procedure set variables using SELECT
-2 How to declare variables in select statement
1 SQL Local Variable
0 Filter in sql query

Hot Network Questions

Which country borders are visible from space?
How can I convince my player that Alchemist's Fire is safe to carry?
Does the Old Testament contain an idea of loving your enemies?
Why is the cost of film going up so fast?
Why does Commander Riker assume that the simulation isn't real?
Border from Polygon shapefile
How do I search a file using "less" for a value with a decimal point?
Why would a prospective advisor ask if I'm meeting other advisors?
What happens if the shutdown continues until election season?
What (modern) weapons could be used to destroy skeletal enemies as completely as possible?
Matrix Jigsaw Puzzles
Did Adolf Hitler ever address the fact that his own appearance was almost an exact opposite of what he considered the ideal Aryan appearance?
Is there a benefit of using Process Builder vs Triggers
What happens to the shareholders when a public company declares bankruptcy?
Why disable DRBD in Pacemaker cluster
What is the pattern and which color is the odd one out?
Don't pin me down on that! No warranty!
To what extent can Emperor Palpatine actually see into the future?
Reporting new USB storage devices on Linux and macOS with Python
When is a Lebesgue integrable function a Riemann integrable function?
Did college students clamor for cyanide pills in student health clinics in the 1980's in America?
Can Mage Hand drop Magic Stones on an enemy?
Does an H-space have at most one delooping?
Capitalizing a word mid-sentence
question feed

site design / logo © 2019 Stack Exchange Inc; user contributions licensed under cc by-sa 3.0 with attribution required.
rev 2019.1.15.32658