

## Re: counting with reset at group by? change

**Source:**

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-03/4255.html>

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**From:** CCA Dave (*david\_at\_notreally.co.uk*)

**Date:** 03/17/04

Date: Wed, 17 Mar 2004 14:30:31 -0000

Sorry, I thought the explanation was going to be simple, so I simplified the query.

My actual query is

=====

```
select Account , Product
```

```
from heads inner join lines
```

```
on heads.[PK] = lines.[FK]
```

```
order by account, product
```

=====

and I want a 3rd "selection" which counts the product for the account

I don't quite follow how SQL knows what "a" is.....

Other than that, yes that's exactly what I want: thanks !

"Dan Guzman" <danguzman@nospam-earthlink.net> wrote in message  
news:#ab9ecBDEHA.2768@tk2msftngp13.phx.gbl...

> > *Is this possible with count(\*) and group by????*

>

> *One method is to use a correlated subquery like the example below. GROUP BY*

> *isn't needed in this case.*

>

> *CREATE TABLE MyTable*

> (

> *Head int NOT NULL,*

> *Line CHAR(1) NOT NULL,*

> *CONSTRAINT PK\_MyTable PRIMARY KEY (Head, Line)*

> *)*

> *INSERT INTO MyTable VALUES(1, 'A')*

> *INSERT INTO MyTable VALUES(1, 'B')*

> *INSERT INTO MyTable VALUES(1, 'C')*

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```
> INSERT INTO MyTable VALUES(2, 'A')
> INSERT INTO MyTable VALUES(2, 'B')
> INSERT INTO MyTable VALUES(3, 'A')
> INSERT INTO MyTable VALUES(3, 'B')
> INSERT INTO MyTable VALUES(3, 'C')
>
> SELECT
> Head,
> Line,
> (
> SELECT COUNT(*)
> FROM MyTable AS b
> WHERE a.Head = b.Head AND
> a.Line > b.Line) + 1 AS MyCount
> FROM MyTable a
> ORDER BY
> Head,
> Line
>
> --
> Hope this helps.
>
> Dan Guzman
> SQL Server MVP
>
> "CCA Dave" <david@notreally.co.uk> wrote in message
> news:c399nt$8s$1$8300dec7@news.demon.co.uk...
> > Hi all,
> >
> > coming from a VMS powerhouse background, we used to have a count
function
> > that we could reset when a repeating value changed. Is there a way to do
> > this in SQL?
> >
> > What I want to do is:
> >
> > with data
> >
> > Head Line
> > 1 A
> > 1 B
> > 1 C
> > 2 A
> > 2 B
> > 3 A
> > 3 B
> > 3 C
> >
> > I want to count
> >
> > head line count
```

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```
>>  
>> 1 A 1  
>> 1 B 2  
>> 1 C 3  
>> 2 A 1  
>> 2 B 2  
>> 3 A 1  
>> 3 B 2  
>> 3 C 3  
>>  
>> Is this possible with count(*) and group by????  
>>  
>> Thanks in advance  
>>  
>>  
>  
>
```