

## Re: Can I do this Query?

**Source:**

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.server/2004-07/0075.html>

---

**From:** Sarah (*skingswell\_at\_donotreply.com*)

**Date:** 06/30/04

Date: Wed, 30 Jun 2004 17:23:08 +0100

By Order yes but not for each individual Item. The capacity will never exceed 1 for any item.

"Andrew Madsen" <andrew.madsen@harley-davidson.com> wrote in message  
news:OS1BnrXEHA.2844@TK2MSFTNGP12.phx.gbl...

Will there be any instance that capacity will exceed 1?

—

Andrew C. Madsen

Information Architect

Harley-Davidson Motor Company

"Sarah" <skingswell@donotreply.com> wrote in message  
news:utXgjPrXEHA.2868@TK2MSFTNGP09.phx.gbl...

Andrew and Uri

Your suggestions don't appear to work using the following example of data

```
ID No 1 Order No 1 Line No 1 Capacity 0.75
ID No 2 Order No 1 Line No 2 Capacity 0.75
ID No 3 Order No 1 Line No 3 Capacity 0.34999999
= 3 Boxes Required
ID No 4 Order No 2 Line No 1 Capacity 1.0
ID No 5 Order No 2 Line No 2 Capacity 0.25
= 2 Boxes Required
ID No 6 Order No 3 Line No 1 Capacity 0.30000001
ID No 7 Order No 3 Line No 2 Capacity 0.20000000
= 1 Box Required
```

```
INSERT INTO Test VALUES (1,1,1,.75)
INSERT INTO Test VALUES (2,1,2,.75)
INSERT INTO Test VALUES (3,1,3,.35)
INSERT INTO Test VALUES (4,2,1,1)
INSERT INTO Test VALUES (5,2,2,.25)
INSERT INTO Test VALUES (6,3,1,.30)
INSERT INTO Test VALUES (7,3,2,.20)
```

If you have any other suggestions, they are very welcome :-)

microsoft.public.sqlserver.server: Re: Can I do this Query?

"Andrew Madsen" <andrew.madsen@harley-davidson.com> wrote in message  
news:#tYbqhQXEHA.3888@TK2MSFTNGP10.phx.gbl...

Why not use CEILING()? Such as:

```
SELECT OrderID, CEILING(SUM(Capacity))as Quantity
FROM #test
GROUP BY OrderID
```

—

Andrew C. Madsen  
Information Architect  
Harley-Davidson Motor Company

"Uri Dimant" <urid@iscar.co.il> wrote in message  
news:uX9VCVpXEHA.2364@TK2MSFTNGP12.phx.gbl...

Sarah

```
SELECT D.Orderid,MAX(CASE WHEN F <4 THEN D.line END) line
FROM #Test JOIN
```

(

```
SELECT Orderid,MAX(Line)Line ,
1000/CAST(Capacity/0.1*100 AS INT) AS F FROM #Test GROUP BY Orderid,Capacity
) AS D ON #Test.Orderid=D.Orderid AND #Test.Line=D.Line
GROUP BY D.Orderid
```

"Sarah" <skingswell@donotreply.com> wrote in message  
news:uJXJ2toXEHA.2664@TK2MSFTNGP09.phx.gbl...

Thanks Uri.

I can see where you are coming from now. I'll explain in some more detail because my original request may be a bit misleading.

If you look at the lines for Order 1 there are 3 in total.

Order No	Line No	Box Capacity
1	1	.75
1	2	.75
1	3	.35

For the first item on the order (Line 1) the box capacity is 75%. This basically means that the item will fill 75% of 1 box. The same applies to Line 2. Line 3 takes up 35% of a box. Therefore to ship this order I need to get 3 boxes (all boxes are the same size).

But if the Order details were as follows

Order No	Line No	Box Capacity
1	1	.75
1	2	.75
1	3	.25

I could fit all three products into 2 boxes. Therefore my query needs to display 2.

Can I get the query to return this information?

Re: Can I do this Query?

Thanks again for your help

"Uri Dimant" <urid@iscar.co.il> wrote in message  
news:OZbV7doXEHA.2216@TK2MSFTNGP10.phx.gbl...

Sarah

```
SELECT D.Orderid,D.Line FROM #Test JOIN
(
SELECT Orderid,MAX(Line)Line FROM #Test GROUP BY Orderid
) AS D ON #Test.Orderid=D.Orderid AND #Test.Line=D.Line
```

"Sarah" <skingswell@donotreply.com> wrote in message  
news:OHOviXoXEHA.1048@tk2msftngp13.phx.gbl...

Thanks Uri for your suggestion only I don't appear to get the right results from the query. When I run the query I am getting

```
Order 2 Capacity 0.25
Order 1 Capacity 0.34999999
```

Order 2 needs to return a value of 2 and Order 1 needs to return a value of 3. I am doing something wrong here

"Uri Dimant" <urid@iscar.co.il> wrote in message  
news:uAfx7pnXEHA.2908@TK2MSFTNGP10.phx.gbl...

Sarah

```
CREATE TABLE #Test
(
[id]INT NOT NULL PRIMARY KEY,
Orderid INT NOT NULL,
Line INT NOT NULL,
Capacity REAL
)
GO
```

```
INSERT INTO #Test VALUES (1,1,1,.75)
INSERT INTO #Test VALUES (2,1,2,.75)
INSERT INTO #Test VALUES (3,1,3,.35)
INSERT INTO #Test VALUES (4,2,1,1)
INSERT INTO #Test VALUES (5,2,2,.25)
```

```
SELECT D.Orderid,Capacity FROM #Test JOIN
(
SELECT Orderid,MAX(Line)Line FROM #Test GROUP BY Orderid
) AS D ON #Test.Orderid=D.Orderid AND #Test.Line=D.Line
```

"Sarah" <skingswell@donotreply.com> wrote in message  
news:%23obihgnXEHA.3044@TK2MSFTNGP09.phx.gbl...

I need to create a query that returns the number of boxes required per customer order. The following is an example of what I am trying to achieve

```
Order No Line No Box Capacity
1 1 .75
1 2 .75
```

microsoft.public.sqlserver.server: Re: Can I do this Query?

1 3 .35

2 1 1

2 2 .25

Order No 1 should return a required box number of 3. Whereby Order 2 would return a required box number of 2.

This query is driving me crazy. Can I do this?

Any help would be gratefully received.

Sarah