

## Re: => Query to copy tbl1 split entries into tbl2

**Source:** <http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2004-04/0804.html>

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**From:** MGFoster (*me\_at\_privacy.com*)

**Date:** 04/08/04

Date: Thu, 08 Apr 2004 18:32:33 GMT

Rhonda Fischer wrote:

> Hello,  
>  
> I am trying to design a query that upon record INSERT  
> checks the number of pallets ordered  
> and ensures that no record has more than 26 pallets, as  
> this is the maximum that  
> will fit onto a trailer. Some how dividing 26 into the  
> number of pallets copying all lines with less  
> than 26 pallets into a new table and copying records with  
> over 26 pallets in quantities of 26 and  
> then the final last record of less than 26.  
>  
> Before Trigger:  
> tblOrder  
>  
> DeliveryID CollectionID TempID OrderDate Loads  
> 2 3 3 30/03/2004 45  
> 2 4 3 30/03/2004 27  
> 2 5 3 30/03/2004 13  
>  
>  
> After Trigger: copied split entries of max 26 pallets to a  
> new table  
> tblSplitOrder  
>  
> Id DeliveryID CollectionID TempID OrderDate Loads  
> 1 2 3 3 30/03/2004 26  
> 2 2 3 3 30/03/2004 19  
> 3 2 4 3 30/03/2004 26  
> 4 2 4 3 30/03/2004 1  
> 5 2 5 3 30/03/2004 13  
>  
> I tried the follow query but have not got very far –  
> struggling. Hope you can help.  
>  
> Thank you very much for any ideas you might have.

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```
>
> Best Regards
> Rhonda
>
>
> I tried to use the follow as a framework but it doesn't
> work in it's current form and I haven't got very far
> redesigning it.
> =====
> =====
> CREATE TRIGGER trgLoadExceedTrlCapacity ON [tblOrders]
> FOR INSERT, UPDATE, DELETE
> AS
> /* The purpose of this trigger is to ensure that no
> entries have in excess of 26 pallet loads */
> /* The Supermarket may order more than 26
> loads of produce but the Trailer can only manage 26 loads
> */
> /* so extra lines are inserted into the new
> table tblSplitOrders with a maximum of 26 loads */
> /* and an extra line for the remaining pallets
> */
>
> DECLARE @NumOfLoads int,
> @LoadsRemainder int,
> @CountSplit int,
> @Cnt int
>
> /* Number of Loads from tblOrders saved to
> variable */
> @NumOfLoads = NumOfLoads
> @LoadsRemainder = 0
> @CountSplit = 0
> @Cnt = 0
>
> /* Determine if there are more than 26 loads */
> @LoadsRemainder = @NumOfLoads / 26
>
> if (@LoadsRemainder >= 1) then
>
> while (@LoadsRemainder >= 1)
> @NumOfLoads = @NumOfLoads - 26
> @CountSplit = @CountSplit + 1
> @LoadsRemainder = @NumOfLoads / 26
> end
>
> for @Cnt = 0 to (@CountSplit - 1)
> INSERT INTO tblSplitOrders (DeliveryID, CollectionID,
> TempID, OrderDate, NumOfLoads)
> SELECT (DeliveryID, CollectionID, TempID, OrderDate, 26)
> FROM tblOrders
```

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```
> end
>
> INSERT INTO tblSplitOrders (DeliveryID, CollectionID,
> TempID, OrderDate, NumOfLoads)
> SELECT (DeliveryID, CollectionID, TempID, OrderDate,
> @NumOfLoads) FROM tblOrders
>
> else
>
> INSERT INTO tblSplitOrders (DeliveryID, CollectionID,
> TempID, OrderDate, NumOfLoads)
> SELECT (DeliveryID, CollectionID, TempID, OrderDate,
> @NumOfLoads) FROM tblOrders
>
> end if
>
> END
```

Instead of using a Trigger, it may be better to create a stored procedure (SP) to accomplish the same thing.

From reading your trigger definition it appears that you need to read & understand the Books on Line (BOL) article on CREATE TRIGGER (I recommend CREATE PROCEDURE also).

E.g.: This trigger should only be on INSERT, UPDATE and not on DELETE.

The DELETE trigger should be a separate trigger, since it would be deleting data not appending (INSERT INTO).

An UPDATE trigger would need to use "inserted" and "deleted" table references. E.g., this:

```
@NumOfLoads = NumOfLoads
```

would be this:

```
@NumOfLoads = inserted.NumOfLoads
```

There is no FOR...NEXT control structure in T-SQL; you'd use a WHILE loop instead, or possibly a CURSOR & a WHILE loop.

The SQL Books On Line can be obtained here:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=a6f79cb1-a420-445f-8a4b-bd77a7da194b&DisplayLa>

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