

=> Trigger to split Trailer Loads

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Hello,

I am trying to design a trigger 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	NumOfLoads
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	NumOfLoads
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 trigger but have not got very far – struggling. Not sure how to code trigger to achieve end. I'm not sure I explained my problem effectively in my last post. Hope you can help.

Thank you very much for any ideas you might have.

Best Regards

Rhonda

```
CREATE TRIGGER trgLoadExceedTrlCapacity ON [tblOrders]
FOR INSERT, UPDATE, DELETE
```

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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
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
```
