

# Not-so-simple SQL Server Stored Procedure

```
CREATE Procedure SetFillDate
    @ordernum varchar(8)
As

/* procedure SetFillDate
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*/

begin tran

declare @allItems int
declare @nullItems int
declare @clearFilled bit
declare @setFilled bit
declare @gotAll int
declare @currentFillDate datetime

set @clearFilled = 0
set @setFilled = 0

-- Get the number of line items for this order.
select @allItems = count(*)
    from orderdet
    where order_num = @ordernum

-- Get the number if "quantity is null" line items.
select @nullItems = count(*)
    from Coed..orderdet
    where order_num = @ordernum and
        quantity is null

-- Check to see if they are all null
if @nullItems = @allItems begin
    -- All items are currently null
    set @clearFilled = 1
end else begin
    -- At least some items have been filled.
    -- See if everything that been ordered has been filled.
    select @gotAll = count(*)
        from Coed..Orderdet
        where order_num = @ordernum and
            quantity > 0 and
            filled < quantity
    if @gotAll = 0 begin
        set @setFilled = 1
    end else begin
        set @clearFilled = 1
    end -- if
end -- if

if @setFilled = 1 begin
```

```
-- We have all the line items we've asked for.
-- Check to see whether there is already a fill date in there.
select @currentFillDate = fill_date
from Coed..Ordermas
where order_num = @ordernum
if @currentFillDate is null begin
    set @setFilled = 1
end else begin
    set @setFilled = 0
end -- if
end -- if

if @setFilled = 1 begin
    -- If we're here, we rilly rilly want to set the fill date.
    update Coed..Ordermas
    set fill_date = GETDATE()
    where order_num = @ordernum
end else begin
    if @clearFilled = 1 begin
        update Coed..Ordermas
        set fill_date = null
        where order_num = @ordernum
    end -- if @clearFilled
end -- if

commit tran
```