

## Re: Need to simplify Switch()

---

*Source:*

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.reports/2006-01/msg01142.html>

---

- *From:* Marshall Barton <[marshbarton@xxxxxxxxxx](mailto:marshbarton@xxxxxxxxxx)>
  - *Date:* Wed, 25 Jan 2006 21:59:59 -0600
- 

Arrrrgghhh

After all that I missed the & in that part. It should be:

& (" - " + [Street Address or Location])

—

Marsh

MVP [MS Access]

Nick X <[Nicknnator\(no\)@\(spam\)aol.123com](mailto:Nicknnator(no)@(spam)aol.123com)> wrote:

>Thank you very much for your help. After writing out the rules I was able to  
>simplify the switch and it works great now. I've also pasted your expression  
>into my test report so I can compare results. There are no extra spaces left  
>over but the dash still appears when [Street Address or Location] is null. I  
>think I have more than enough to work with now. You have been a big help and  
>have given me a new understanding of conctenation that I'm sure will come in  
>handy in many of my Db's

>

>

>"Marshall Barton" wrote:

>> Ok, that really helps. I don't think Switch is the most  
>> effective way to approach even part of this question. Let  
>> me try to address each rule separately before trying to put  
>> it all together.

>>

>> Rule #3 is taken care of by:

>> (strSingleAddress + " ")

>>

>> Rule #4 is dealt with by:

>> (" - " & [Street Address or Location])

>>

>> Rule #6 is covered by:

>> & [Street] &

>>

>> Rule #5 was partially taken care of in my suggested

>> expression by using:

>> (" between " + [From] + " and " + [To])

Re: Need to simplify Switch()

>> but it does not deal with the Rule #2 situation, so let's  
>> try to beef that up by using this instead:  
>> IIf([To] Is Null, " at the corner of " + [From],  
>> " between " + [From] + " and " + [To])  
>> I'll try to explain how that's supposed to do what we want.  
>>  
>> If To is Null, then the result of the IIf will be:  
>> " at the corner of " + [From]  
>> for Rule #2 and if From is also Null, the result will be  
>> Null, which takes care of Rule #5.  
>>  
>> If To is not Null, then the IIf will use:  
>> " between " + [From] + " and " + [To]  
>> Which is what we want for Rule #1, as long as From is also  
>> not null. The situation where To is not Null, but From is  
>> Null is a hole in your rules so I'm not sure what you want  
>> for this case. Maybe you have set up some kind data  
>> integrity to prevent that situation from occurring? If not,  
>> either you can figure out from this discussion how to handle  
>> it or post back with another rule.  
>>  
>> To put it all that together, the complete expression is:  
>>  
>> =(strSingleAddress + " ") & [Street]  
>> & IIf([To] Is Null,  
>> " at the corner of " + [From],  
>> " between " + [From] + " and " + [To])  
>> & (" - " & [Street Address or Location])  
>>  
>> That should all be on one line in your expression. I just  
>> broke it up to make it easier to read.  
>>  
>> Be sure to review my earlier explanation of how + and & work  
>> with Null so can get a grasp on how that expression evolves  
>> to a solution to your problem. If nothing else, it is a  
>> whole lot shorter than using Switch ;-)  
>>  
>>  
>> Nick X <Nicknator (no) @ (spam) aol.123com> wrote:  
>> >I'm sorry, I actually just wasn't sure how to apply:  
>> >  
>> >=(strSingleAddress + " ") & [Street] & (" between " + [From]  
>> >+ " and " + [To]) & (" - " & [Street Address or Location])  
>> >  
>> >to my expression. I have never dealt with + before. This expression leaves  
>> >out rule #2 and leaves spaces and dashes when applying rules #3, #4, #5.  
>> >Maybe if I use the Switch() combining your expression and my rules?...  
>> >  
>> >Rule #1– assuming Is Not Null on all fields:  
>> >[strSingleAddress] (space) [Street] " between " [From] " and " [To] " ? "  
>> >[Street Address or Location]

Re: Need to simplify Switch()

Re: Need to simplify Switch()

>>>  
>>>Rule #2– assuming [To] Is Null and Is Not Null on all other fields:  
>>>[strSingleAddress] (space) [Street] " at the corner of " [From] " ? "  
>>>[Street Address or Location]  
>>>  
>>>Rule #3– apply to #1 and #2  
>>>If [strSingleAddress] is null, leave out [strSingleAddress] (space)  
>>>  
>>>Rule #4– apply to #1 and #2  
>>>If [Street Address or Location] is null, leave out " ? " [Street Address or  
>>>Location]  
>>>  
>>>Rule #5– apply to #1 and #2  
>>>If [From] and [To] are both Null, leave out " between " [From] " and " [To]  
>>>, as well as, " at the corner of " [From]  
>>>  
>>>Rule #6  
>>>[Street] is constant  
>>>  
>>>The finished product should be left with no extra spaces, dashes or other  
>>>extraneous characters.  
>>>  
>>>  
>>>"Marshall Barton" wrote:  
>>>> As far as I can tell, my suggested expression will deal with  
>>>> those examples. Maybe a set of rules to follow would explain  
>>>> it better than the examples. OTOH, if you pasted the  
>>>> expression that you tried along with the result it produced  
>>>> and explained what is wrong with the result, I might be able  
>>>> to figure it out.  
>>>>  
>>>>  
>>>> Nick X <Nicknator (no) @ (spam) aol.123com> wrote:  
>>>>>Thanks, unfortunately I haven't been able to get that last solution to work  
>>>>>properly. Allow me to give some examples of how the final product should  
>>>>>read. (These would be different records, just similar data):  
>>>>>  
>>>>>>([strSingleAddress] Is Not Null [Street] Is Not Null And [From] Is Not Null And  
>>>>>>[To] Is Not Null And [Street Address or Location] Is Not Null,  
>>>>>>[strSingleAddress] & " " & [Street]  
>>>>>>& " between " & [From] & " and " & [To] & " – " & [Street Address or  
>>>>>>Location]  
>>>>>  
>>>>>>Example: 123 N Main St between First St and Second St – on east side of street  
>>>>>  
>>>>>>[strSingleAddress] Is Null  
>>>>>>And [Street] Is Not Null And [From] Is Not Null And [To] Is Not Null And  
>>>>>>[Street Address or Location] Is Null,[Street] & " between " & [From] & " and  
>>>>>>" & [To]  
>>>>>  
>>>>>>Example: N Main St between First St and Second St

Re: Need to simplify Switch()

>> >> >  
>> >> >>[strSingleAddress] Is Null And [Street] Is Not  
>> >> >>Null And [From] Is Not Null And [To] Is Null And  
>> >> >>[Street Address or Location] Is Not Null,[Street] & " at the corner of " & [From]>& " - " & [Street  
Address or Location]  
>> >> >  
>> >> >Example: N Main St at the corner of First St – NW Corner  
>>  
>>

---

• **Follow-Ups:**

- ◆ **Re: Need to simplify Switch()**  
◇ From: Nick X

• **References:**

- ◆ **Re: Need to simplify Switch()**  
◇ From: Marshall Barton
- ◆ **Re: Need to simplify Switch()**  
◇ From: Marshall Barton
- ◆ **Re: Need to simplify Switch()**  
◇ From: Nick X
- ◆ **Re: Need to simplify Switch()**  
◇ From: Marshall Barton
- ◆ **Re: Need to simplify Switch()**  
◇ From: Nick X
- ◆ **Re: Need to simplify Switch()**  
◇ From: Marshall Barton
- ◆ **Re: Need to simplify Switch()**  
◇ From: Nick X

- Prev by Date: **Re: Select Sort Order Through a Form**
- Next by Date: **Re: Save action cancelled**
- Previous by thread: **Re: Need to simplify Switch()**
- Next by thread: **Re: Need to simplify Switch()**
- Index(es):
  - ◆ **Date**
  - ◆ **Thread**