

Re: Criteria linked to form combo 'Yes/No or All' expression help

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.queries/2009-06/msg00441.html>

- *From:* MGFoster <me@xxxxxxxxxxxx>
 - *Date:* Thu, 04 Jun 2009 19:08:49 -0700
-

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The "<> False" – that's what Access does to a function. It's supposed to return something. The way I typed it in, the return value is implied. Access just makes it explicit. Not to worry – it should work the same.

I don't know why the whole criteria is not working. Sorry.

The way I'd debug it would be to start w/ one OR clause in the criteria. Run the query & see if it works for that criteria. If it doesn't troubleshoot until it does. Keep on doing that w/ each OR clause until all criteria phrases are in the query & working.

—
MGFoster:::mgf00 <at> earthlink <decimal-point> net
Oakland, CA (USA)

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iQA/AwUBSih+KIechKqOuFEgEQI20QCcCuUh4Uj3HwEBs0xSIJGVeymZDSMAAnRze
4IP2Sum4bRTMFHfsvLK84ptl
=Pv4w

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efandango wrote:

MG,

I pasted your where clause into the sql and ran the query from the form. If I choose -1 or 0, I simply get a blank reply and completely blank forms; and if I choose 'both', I get query too complex. I followed your suggestion of pasting the sql, and not opening query designer.

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However, when the query failed, I looked at it in the QBE grid; and for the criteria for the 'field': Iif([Forms]![frm_Runs]![cbo_Point2Point_GetRounds] Is Null,True,[tbl_points].[Getround_Flag]=[Forms]![frm_Runs]![cbo_Point2Point_GetRounds])

I see <>False on each line in that field column.

"MGFoster" wrote:

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I believe you misunderstood my description of how to use the "Both", -1, 0 values in the criteria.

The Iif() formula is correctly stated as:

```
Iif(Forms!frm_Runs!cbo_Point2Point_GetRounds = 3, TRUE,  
tbl_points.Getround_Flag=Forms!frm_Runs!cbo_Point2Point_GetRounds)
```

It should not be set up like this:

```
tbl_points.GetRound_Flag = IIF(Forms!.... etc. ... )
```

(see the WHERE clause I included [at the bottom])

The GetRound_Flag comparison to the Form value is made inside the Iif() function.

The Iif() function will produce these results:

Both = 3 – TRUE : this ignores the values in GetRound_Flag, which means ALL records are selected (consistent w/ the

other criteria).

True = -1 GetRound_Flag = -1 : only -1 values.

False = 0 GetRound_Flag = 0 : only 0 values.

===

To eliminate the "too complex" error, try this criteria. I've grouped the ORs into the first section – enclosed in parentheses, and each separate OR clause is enclosed in parentheses. Then I factored out the common AND expressions and put them last.

If you change back to the Design Grid view the WHERE clause will be re formatted by Access. I don't know if this is the query optimizer or Access trying to get the SQL to match the Design Grid. Anyway, once you have this working don't switch to the Design Grid – just save the query

Re: Criteria linked to form combo 'Yes/No or All' expression help
from SQL View.

When I'm working on a query that I don't want the WHERE clause to change, I copy the WHERE clause to a Notepad file before I switch back to Design View. Then, when I switch back to SQL View, I replace the Access formatted WHERE clause with the saved WHERE clause. Of course I don't change the criteria in the Design Grid view, only in the SQL View. This means learning the syntax of Boolean logic (i.e., where to put the parentheses).

*** BE SURE TO BACK UP BEFORE TRYING THIS ***

=== My version of the criteria ===

```
WHERE (
tbl_points.Run_No BETWEEN Forms!frm_Runs!cbo_Point2Point_From
And Forms!frm_Runs!cboPoint2Point_to

OR (tbl_points.Run_Point_Postcode BETWEEN
Forms!frm_Runs!cbo_Point2Point_Postcode_From
And Forms!frm_Runs!cbo_Point2Point_Postcode_To
AND tbl_points.Run_Point_Postcode<Forms!frm_Runs!txt_Run_Limit)

OR (tbl_PostCodes.Area BETWEEN
Forms!frm_Runs!cbo_Point2Point_Area_From
And Forms!frm_Runs!cbo_Point2Point_Area_To
AND tbl_PostCodes.Area<Forms!frm_Runs!txt_Run_Limit)

OR (tbl_PostCodes.District BETWEEN
Forms!frm_Runs!cbo_Point2Point_District_From
And Forms!frm_Runs!cbo_Point2Point_District_To
AND tbl_PostCodes.District<Forms!frm_Runs!txt_Run_Limit)

OR (tbl_points.Point_Type BETWEEN
Forms!frm_Runs!cbo_Point2Point_PointType_From
And Forms!frm_Runs!cbo_Point2Point_PointType_To
AND tbl_points.Point_Type<Forms!frm_Runs!txt_Run_Limit)
)

AND IIf(Forms!frm_Runs!cbo_Point2Point_GetRounds IS NULL, TRUE,
tbl_points.Getround_Flag=Forms!frm_Runs!cbo_Point2Point_GetRounds)

AND tbl_Points.Run_No<Forms!frm_Runs!txt_Run_Limit

===== end SQL =====

HTH,
--
MGFoster:::mgf00 <at> earthlink <decimal-point> net
Oakland, CA (USA)
```

Re: Criteria linked to form combo 'Yes/No or All' expression help

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iQA/AwUBSiXuWYechKqOuFEgEQLptACgnpgaXavAxQIU1Gvchl7+SLcWkokAoIq7
czJNGI4OF5MevDGs17NXox8d

=AByo

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efandango wrote:

John,

I spoke too soon. When I reopened the database, I got the dreaded 'Expression too complex error....

your consistent predictions that it may be too complex have come to be true...

Is there another way of cracking this, or am I to live with the limitations apparent?

"John Spencer MVP" wrote:

My fault, that should be OR between the two
not AND

```
(tbl_points.Getround_Flag=  
IIf([Forms]![frm_Runs]![cbo_Point2Point_GetRounds]=3,True,  
[Forms]![frm_Runs]![cbo_Point2Point_GetRounds]  
OR  
tbl_points.Getround_Flag=  
IIf([Forms]![frm_Runs]![cbo_Point2Point_GetRounds]=3,False,  
[Forms]![frm_Runs]![cbo_Point2Point_GetRounds]))
```

The logic being that if the combobox returns 3 you will search for the value being True or False. Otherwise you will search for the value being True or True; or you will search for the value being False or False.

Again this query could get too complex to run.

John Spencer
Access MVP 2002–2005, 2007–2009

Re: Criteria linked to form combo 'Yes/No or All' expression help

The Hilltop Institute
University of Maryland Baltimore County

efandango wrote:

John,

when I try your solution, the query/form fails to return anything when I select 'both' from the combobox. MG Fosters also fails on the 'both' criteria, so something must be wrong perhaps somewhere else, or have I got the syntax wrong somewhere?

here is the line I am pasting into the SQL designer on field: [Getround_Flag]

here is the full SQL:

```
SELECT TOP 18
tbl_points.Run_No,
tbl_points.Run_Point_Postcode,
tbl_PostCodes.Area,
tbl_PostCodes.District,
tbl_points.Point_Type,
tbl_points.Getround_Flag,
tbl_points.Point_ID,
tbl_points.Run_point_Venue,
tbl_points.Run_point_Address
FROM tbl_points LEFT
JOIN tbl_PostCodes ON
tbl_points.Run_Point_Postcode
= tbl_PostCodes.Postcode
WHERE
(((tbl_points.Run_No)
Between
[Forms]![frm_Runs].[cbo_Point2Point_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_To]
And
(tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
And
(tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
```

Re: Criteria linked to form combo 'Yes/No or All' expression help

```
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Run_Point_Postcode)
Between
[Forms]![frm_Runs].[cbo_Point2Point_Postcode_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_Postcode_To]
And
(tbl_points.Run_Point_Postcode)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
And
(tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND ((tbl_PostCodes.Area)
Between
[Forms]![frm_Runs].[cbo_Point2Point_Area_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_Area_To]
And
(tbl_PostCodes.Area)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
And
(tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_PostCodes.District)
Between
[Forms]![frm_Runs].[cbo_Point2Point_District_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_District_To]
And
(tbl_PostCodes.District)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
And
(tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Point_Type)
Between
[Forms]![frm_Runs].[cbo_Point2Point_PointType_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_PointType_To]
And
(tbl_points.Point_Type)<[Forms]![frm_Runs].[txt_Run_Limit])
```

Re: Criteria linked to form combo 'Yes/No or All' expression help

```
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
And
(tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_Point2Point_GetR
ORDER BY
Rnd([Point_ID]) DESC;
```

"John Spencer" wrote:

```
If you have
one
combobox
with two
columns
and its
properties
set as
--Row
source type:
Value List
--Column
widths: 0
--Row
Source:
3;"Both",-1;"True",0;"False"
--Column
Count: 2
--Bound
Column: 1
```

```
You could
change the
criteria in
the query to
use this
slightly
more
complex
statement.
tbl_points.Getround_Flag=IIF([Forms]![frm_Runs]![cbo_Point2Point
and
tbl_points.Getround_Flag=IIF([Forms]![frm_Runs]![cbo_Point2Point
```

```
MG Foster's
proposed
solution
```

Re: Criteria linked to form combo 'Yes/No or All' expression help

should work
also; but
you might
run into a
query too
complex
error with
his solution
since
Access
often
significantly
restructures
the query's
where
clause using
that
solution.

'=====

John
Spencer
Access
MVP
2002–2005,
2007–2009
The Hilltop
Institute
University
of Maryland
Baltimore
County

'=====

efandango
wrote:

Yes,
you're
correct,
I
didn't
need
two
combo
boxes.
I
have
been
using
2

Re: Criteria linked to form combo 'Yes/No or All' expression help

combos
for
the
rest
of
the
form
where
they
were
required
and
just
had
tunnel
vision
regarding
this
particular
combo.
No
I
have
a
combo
that
has:
Both;-1;0
which
works
perfectly,
except
I
would
prefer
something
more
plain
english,
like
both;
Yes;
No

But
if
I
use
Yes,
No,
the

Re: Criteria linked to form combo 'Yes/No or All' expression help

query
doesn't
understand
it.
It
seems
to
only
like
the
-1;0
criteria.
Is
their
a
way
of
having
Yes
and
No
either
in
the
query
or
perhaps
a
mask
in
the
combo
box,
which
I
think
is
what
Karl
was
trying
to
explain
to
me
in
his
reply?

my
full

Re: Criteria linked to form combo 'Yes/No or All' expression help

SQL

is:

```
SELECT
TOP
18
tbl_points.Run_No,
tbl_points.Run_Point_Postcode,
tbl_PostCodes.Area,
tbl_PostCodes.District,
tbl_points.Point_Type,
tbl_points.Getround_Flag,
tbl_points.Point_ID,
tbl_points.Run_point_Venue,
tbl_points.Run_point_Address
FROM
tbl_points
LEFT
JOIN
tbl_PostCodes
ON
tbl_points.Run_Point_Postcode
=
tbl_PostCodes.Postcode
WHERE
(((tbl_points.Run_No)
Between
[Forms]![frm_Runs].[cbo_Point2Point_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_To]
And
(tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit])
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_P
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_points.Run_Point_Postcode)
Between
[Forms]![frm_Runs].[cbo_Point2Point_Postcode_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_Postcode_To]
And
(tbl_points.Run_Point_Postcode)<[Forms]![frm_Runs].[txt_F
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_P
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_PostCodes.Area)
Between
```

Re: Criteria linked to form combo 'Yes/No or All' expression help

```
[Forms]![frm_Runs].[cbo_Point2Point_Area_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_Area_To]
And
(tbl_PostCodes.Area)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_P
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_PostCodes.District)
Between
[Forms]![frm_Runs].[cbo_Point2Point_District_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_District_To]
And
(tbl_PostCodes.District)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_P
OR
(((tbl_points.Run_No)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_points.Point_Type)
Between
[Forms]![frm_Runs].[cbo_Point2Point_PointType_From]
And
[Forms]![frm_Runs].[cbo_Point2Point_PointType_To]
And
(tbl_points.Point_Type)<[Forms]![frm_Runs].[txt_Run_Limit]
AND
((tbl_points.Getround_Flag)=IIf([Forms]![frm_Runs]![cbo_P
ORDER
BY
Rnd([Point_ID])
DESC;
```

"MGFoster"

wrote:

efandango

wrote:

I
have
a
query
field

Re: Criteria linked to form combo 'Yes/No or All' expression help

linked
to
a
form
combo
box,
like
this:

Between
[Forms]![frm_Runs].[cbo_Point2Point_Getro
And
[Forms]![frm_Runs].[cbo_Point2Point_Getro
And
<[Forms]![frm_Runs].[txt_Run_Limit]

In
the
form
combo
box
I
have
a
-1
or
0
choice.
I
want
a
third
choice
which
is
All
(or
in
plain
english
'Both'.
In
other
words
if
the
user
chooses
All/Both
in
the

Re: Criteria linked to form combo 'Yes/No or All' expression help

combobox,
I
want
the
query
criteria
to
show
all
records.

The
format
in
the
combobox
can
be
any
format
that
will
get
the
job
done,
at
the
moment
it
is
plain
text.

I
have
tried
a
Yes/No
format
but
it
will
not
allow
a
third
state.
I
want
to
avoid

Re: Criteria linked to form combo 'Yes/No or All' expression help

a
checkbox
because
it
is
not
obvious
to
the
user
that
a
third
state
exists
with
that
control.

How
can
I
make
the
query
criteria
return
All
values
when
the
user
selects
All/Both
instead
of
either
just
the
-1
or
0s?

-----BEGIN
PGP
SIGNED
MESSAGE-----