

Creating a Yes/No Checkbox in Query to Filter for Blank Fields

The following demonstration shows a method for using Prompts and Expressions to filter data based on whether a field is populated. This example shows how to produce results that include or exclude rows with blank ATP Codes. This process can be adapted for use with student information such as enrollment data and student career term.

The sample query is based on two External Organization related tables/records.

Chosen Records		
Alias	Record	
	A EXT_ORG_PRI_VW - External Org Primary View	Hierarchy Join
	B EXT_ORG_TBL_ADM - External Org Admissions	Hierarchy Join

There are two prompts, one for the State Code (to limit the number of returned rows) and one for the Yes/No checkbox. The purpose of the checkbox is to ask whether to display any rows (any organizations) that do not currently have an ATP Code associated with them.

First, create the properties for the two prompts:

Edit Prompt Properties

Field Name:

*Type:

*Format:

Length:

Decimals:

*Edit Type:

*Heading Type:

Heading Text:

*Unique Prompt Name:

Prompt Table:

Edit Prompt Properties

Field Name:

*Type:

*Format:

Length:

Decimals:

*Edit Type:

*Heading Type:

Heading Text:

*Unique Prompt Name:

Prompt Table:

Prompts List		
Prompt	Edit	Delete
:1 = STATE - State	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
:2 = Include BLANK ATP CODE?	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Second, create the 'Y' and 'N' Expressions:

Edit Expression Properties

*Expression Type: Character Length: 1

Aggregate Function Decimals:

Expression Text: 'Y'

[Add Prompt](#) [Add Field](#)

Edit Expression Properties

*Expression Type: Character Length: 1

Aggregate Function Decimals:

Expression Text: 'N'

[Add Prompt](#) [Add Field](#)

Expression Text	Use as Field	Add Criteria	Edit	Delete
'Y'	Use as Field		<input type="button" value="Edit"/>	<input type="button" value="-"/>
'N'	Use as Field		<input type="button" value="Edit"/>	<input type="button" value="-"/>

NOTE: You do not use either of these expressions as fields. In order to apply criteria to these expressions, use the funnel icons under "Add Criteria."

Third, create the Criteria to associate with the Expressions:

Edit Criteria Properties

Choose Expression 1 Type: Expression

Expression 1: Define Expression Expression: 'Y'

*Condition Type: equal to

Choose Expression 2 Type: Expression

Expression 2: Define Expression Expression: :2

Edit Criteria Properties

Choose Expression 1 Type: Expression

Expression 1: Define Expression Expression: 'N'

*Condition Type: equal to

Choose Expression 2 Type: Expression

Expression 2: Define Expression Expression: :2 AND B.ATP_CD <> ''

:2

:2 AND B.ATP_CD <> ''

Fourth, group the Criteria using the Logical Operator OR and parentheses:

AND	((Y'	equal to	:2)	Edit	-
OR	('N'	equal to	:2 AND B.ATP_CD <> ''))	Edit	-

OUTPUT:

Sample rows leaving the checkbox unchecked:

State:

Include BLANK ATP CODE?

285990	NM	320454	SCHL	Armand Hammer United
115406	NM	320065	SCHL	Artesia High School
115407	NM	320070	SCHL	Aztec High School

Sample rows with the checkbox checked:

State:

Include BLANK ATP CODE?

285990	NM	320454	SCHL	Armand Hammer United W
115406	NM	320065	SCHL	Artesia High School
287874	NM		SCHL	Atrisco Heritage Academy
115407	NM	320070	SCHL	Aztec High School

This demonstration is based on similar instructions found in the following presentation available on HEUG.ORG: [PS Query: Advanced Tips Using Expressions](#).