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Using Between Criteria with Prompts in Query

You may use Between criteria with a prompt for selecting variety of ranges. This is especially helpful with a date range as shown in this example. The record/table is ACAD_PLAN_TBL (Academic Plan Table), and the prompt will limit the results by choosing a range between two Effective Dates.

1. On the **Fields** page, click the **Add Criteria** (funnel with plus) next to the field (EFFDT) on which you want to set up the Between Prompt.

Records Query Expressions Prompts Fid	elds C	riteria	a M	aving	View SQL Rur				
Query Name New Unsaved Query				Desc	ription			Fe	ed 👻
View field properties, or use field as criteria in query stat	ement.						Reorder / S	Sort	
Fields				Persor	alize Find View All	Firs	t 🚺 1-4 of	4 🕨 Last	
Col Record.Fieldname	<u>Format</u>	<u>Ord</u>	<u>XLAT</u>	<u>Aqq</u>	Heading Text	Add Criteria	Edit	Delete	
1 A.ACAD_PLAN - Academic Plan	Char10				Acad Plan	<u>4</u>	Edit	-	
2 A.EFFDT - Effective Date	Date				Eff Date	%	Edit	-	
3 A.EFF_STATUS - Status as of Effective Date	Char1		N		Status	¥	Edit	-	
4 A.DESCR - Description	Char30				Descr	9 <mark>4</mark>	Edit	-	
Save Save As New Query Preferences	Proper	ties	Publis	h as F	eed <u>New Union</u>			Return To	Search

a. The **Edit Criteria Properties** page opens with the default of Constant selected under **Choose Expression 2 Type**. Under that section, select the button labeled **Prompt.**

Edit Criteria Properties	
Choose Expression 1 Type	Expression 1
 Field Expression 	Choose Record and Field Record Alias.Fieldname: A.EFFDT - Effective Date
*Condition Type:	equal to 👻
Choose Expression 2 Type	Expression 2
© Field	Define Constant
Constant Prompt Subquery	*Date:
OK Cancel	

- 2. When you click the **Prompt** button, the **Expression 2** section changes as follows.
 - a. Under **Expression 2** click on the link of **New Prompt**.

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Edit Criteria Properties	
Choose Expression 1 Type	Expression 1
 ● Field ○ Expression 	Choose Record and Field Record Alias.Fieldname: Q AEFFDT - Effective Date
*Condition Type:	equal to 👻
Choose Expression 2 Type	Expression 2
© Field	Define Prompt
 Expression Constant Prompt Subquery 	Prompt: Q New Prompt Edit Prompt
OK Cancel	

3. The Edit Prompt Properties page opens as follows:

Field Name:	*Heading Type:
Q EFFDT	RFT Short 👻
*Type:	Heading Text:
Date	✓ Eff Date
*Format:	*Unique Prompt Name:
None	▼ BIND1
Length:	
Decimals:	
*Edit Type:	Prompt Table:

- 4. Make the following changes on the **Edit Prompt Properties** page as shown below:
 - a. Under Heading Type, select Text
 - b. Under Heading Text, type Enter First Date
 - c. Under Edit Type, select **No Table Edit**
 - d. Click OK.

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Edit Prompt Properties	
Field Name:	*Heading Type: Text
*Type:	Heading Text:
Date 👻	Enter First Date
*Format:	*Unique Prompt Name:
None 👻	BIND1
Length: Decimals:	
*Edit Type:	Prompt Table:
No Table Edit 🗸 🗸	Q
OK Cancel	

- 5. You are returned to the **Edit Criteria Properties** page.
 - a. You will notice that under **Expression 2 Define Prompt**, your first Prompt has been defined. It is designated as **:1**.

Edit Criteria Properties	
Choose Expression 1 Type © Field © Expression	Expression 1 Choose Record and Field Record Alias.Fieldname:
*Condition Type:	equal to
Choose Expression 2 Type Field Expression Constant Prompt 	Expression 2 Define Prompt Prompt: :1 Q New Prompt Edit Prompt
© Subquery OK Cancel	

- 6. You will now define the second prompt.
 - a. Under Expression 2 click on New Prompt.

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Field Name:	*Heading Type:
C EFFDT	RFT Short 👻
*Туре:	Heading Text:
Date	✓ Eff Date
*Format:	*Unique Prompt Name:
None	▼ BIND2
Length:	
Decimals:	
Decimals: *Edit Type:	Prompt Table:

7. The Edit Prompt Properties page opens.

- **a.** Under Heading Type, select **Text**
- b. Under Heading Text, type Enter Last Date
- c. Under Edit Type, select **No Table Edit**
- d. The page should look like this.
- e. Click OK.

Edit Prompt Properties	
Field Name:	*Heading Type: Text
*Туре:	Heading Text:
Date -	Enter Last Date
*Format:	*Unique Prompt Name:
None 👻	BIND2
Length: 10 Decimals:	
*Edit-Type:	Prompt Table:
No Table Edit -	Q
OK Cancel	

- 8. Once you click **OK**, you are returned to the **Edit Criteria Properties** page.
 - a. You will notice that under **Expression 2 Define Prompt**, your second Prompt has been defined. It is designated as **:2**.

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Edit Criteria Properties	
Choose Expression 1 Type Field Expression	Expression 1 Choose Record and Field Record Alias.Fieldname: A.EFFDT - Effective Date
*Condition Type:	equal to 👻
Choose Expression 2 Type Field Expression Constant Prompt Subquery OK Cancel	Expression 2 Define Prompt Prompt: :2 Q New Prompt Edit Prompt

- 9. Do not leave the **Edit Criteria Properties** page.
 - a. Change the **Condition Type** from **equal to** to **between**. When you do, the choices under **Choose Expression 2 Type** will change.
 - b. Under **Choose Expression 2 Type**, click on the last button, **Expr Expr.** When you click on that button, the choices under **Expression 2** will change.
 - c. The Edit Criteria Properties page should now resemble this:

Edit Criteria Properties	
Choose Expression 1 Type	Expression 1
 Field Expression 	Choose Record and Field Record Alias.Fieldname: AEFEDT - Effective Date
*Condition Type: 0	between -
Choose Expression 2 Type	Expression 2
 ○ Const - Const ○ Const - Field ○ Const - Expr 	Define Expression Expression:
 Field - Const Field - Field Field - Expr Field - Expr 	Add Prompt Add Field Define Expression 2
Expr - Const Expr - Field Expr - Expr	Expression 2:
	Add Prompt Add Field
OK Cancel	

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- 10. Now while you are still on the **Edit Criteria Properties** page, you will add the first prompt to the criteria.
 - a. Under Expression 2 Define Expression Expression , click on Add Prompt. This will open the Select a Prompt page.

xpression 2			
Define Expression	on		
Expression:			
	Add Prompt	Add Field	
Define Expressi	on 2		
Expression 2:			.4
	Add Prompt	Add Field	

11. When the **Select a Prompt** page opens, click on the link: **: 1** = **EFFDT** – **Enter First Date.**

Select a Prompt	Personalize Find 🖾 🏙	First 🚺 1-2 of 2 🚺 Last
:1 = EFFDT - Enter First Date	>	
:2 = EFFDT - Enter Last Date		

12. Upon clicking that link you are returned to the **Edit Criteria Properties** page. Note that the designator for the first prompt (:1) now appears in the first **Expression** box.

xpression 2			
Define Expressio	n		
Expression:	1		
	Add Prompt	Add Field	
Define Expression 2			
Expression 2:			
<	Add Prompt	Add Field	

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- a. You will now add the second prompt to the criteria. Under Expression 2 Define Expression Expression2, click on Add Prompt. This will open the Select a Prompt page.
- 13. When the **Select a Prompt** page opens, click on the link: **:2 = EFFDT Enter Last Date**

S	Select a Prompt		
	Select a Prompt	Personalize Find 🖾 🏙	First 🚺 1-2 of 2 🕨 Last
	:1 = EFFDT - Enter First Date		
\triangleleft	:2 = EFFDT - Enter Last Date		
	Cancel		

14. Upon clicking that link you are returned to the **Edit Criteria Properties** page. Note that the designator for the second prompt (:2) now appears in the **Expression 2** box. The **Edit Criteria Properties** page now appears as follows:

Choose Expression 1 Type Field Expression	Expression 1 Choose Record and Field Record Alias.Fieldname: Q A.EFFDT - Effective Date	
*Condition Type:	between 👻	
Choose Expression 2 Type	Expression 2	
 Const - Const Const - Field Const - Expr 	Define Expression Expression: ^{:1}	
© Field - Const © Field - Field © Field - Expr	Add Prompt Add Field	
 Expr - Const Expr - Field Expr - Expr 	Expression 2	
	Add Prompt Add Field	
OK Cancel		

15. Click OK. You are returned to the **Criteria** page. The row for this **between** criterion will appear as follows:

Add Criteria	Group Criteria Reorder Criteria]		
Criteria			Personalize Find 🖓 🛗 Firs	st 💶 1-2 of 2 🗖 Last
Logical	Expression1	Condition Type	Expression 2	Edit Delete
—	A.EFFDT - Ellective Date	Ell Date <=	Current Date	
AND 👻	A.EFFDT - Effective Date	between	:1 AND :2	Edit 📃

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16. Run the query. The two new prompts should look like this:

Enter First D	ate:		31
Enter Last D	ate:		B
ОК	Ca	ancel	

17. Be sure to save the query.