Query – Using In List Criteria with a Prompt

The following is an illustration of how to use In List criteria with a prompt. In normal use, the In List Condition Type finds fields having a value that matches any one of the values in a list of values. With this option, you are prompted to create a list with an Edit List dialog box.

By combining the In List process with the use of Prompts, you can filter for a varied number of choices.

- In this example, the table being used is the Term Definition Table, TERM_TBL. The field is Term, STRM.
- Instead of hard coding into Criteria a list of Terms, you can prompt for any number of Terms.
- In addition, when you run the query, if you choose to input selections for fewer than the total number of prompts, you can do so.
- If you have access to the TERM_TBL, you can review the query which is in the TRAINING folder.
  - The query to review is named WES_SFIS_TRAIN_INLIST_PRMPT.
  - You can make a copy of the query to work through the steps yourself. Do not use the existing query.
  - You may wish to review how Prompts work in Query before proceeding by studying the Introduction to PS Query Instruction Part II, Lesson 9, Adding Runtime Prompts.

Procedure

1. Begin by creating the first Prompt. On the Fields page, click on the Add Criteria (Funnel with plus) next to the field on which you want to set up the In List Prompt (in this case, STRM).
2. The Edit Criteria Properties page opens.
3. Under the Choose Expression 2 Type section select Prompt.
4. Under **Expression 2 – Define Prompt** choose the link **New Prompt**.
5. The **Edit Prompt Properties** page opens.

![Edit Prompt Properties](image)

- a. Change the **Heading Type** to **Text**.
- b. Change the **Heading Text** to **Enter 1st Term**.
- c. Change the **Edit Type** to **No Table Edit**.
- d. Under **Prompt Table**, remove **TERM_VAL_TBL** so that it is blank. Do so by clicking on the magnifying glass, and clicking the **No Value** button on the next screen.

6. The **Edit Prompt Properties** page will now appear as follows:
7. Click the OK button.
8. The Edit Criteria Properties page opens again. You will notice that under Expression 2 - Define Prompt, a new Prompt has been created identified as :1

10. The Edit Prompt Properties page opens.
a. Change the **Heading Type** to **Text**.

b. Change the **Heading Text** to **Enter 2nd Term**.

c. Change the **Edit Type** to **No Table Edit**.

d. Under **Prompt Table**, remove **TERM_VAL_TBL** so that it is blank. Do so by clicking on the magnifying glass, and clicking the **No Value** button on the next screen.

e. Click **OK**.

11. When the **Edit Criteria Properties** page opens again, you will notice that under **Expression 2 - Define Prompt**, a new **Prompt** named :2 has been created. This **Prompt** is the second in the list of prompts.

12. Repeat steps 9 through 11 until you’ve created the number of prompts you want in your list.
a. For this example, a total of three Prompts were created, and the last iteration of the **Edit Prompt Properties** page looks like this (*Enter 3rd Term*):

![Edit Prompt Properties](image)

13. After having created the third Prompt, the **Edit Criteria Properties** page should look like this:

![Edit Criteria Properties](image)

14. On the **Edit Criteria Properties** page, change the **Condition Type** from *equal to* to *in list*. 

![Condition Type](image)
15. In the **Expression 2 – Edit List** box, click on the Magnifying Glass.
16. The **Edit List** page opens. Click on the **Add Prompt** link.

17. The **Select a Prompt** page opens. Select the first prompt that was set up (**Enter 1st Term**).

18. You are returned to the **Edit List** page.
19. It now reads **List Members** at the top, and shows the prompt of :1.
20. Click on the **Add Prompt** link again.

![Select a Prompt](image)

21. The **Select a Prompt** page opens again. Select the second prompt (**Enter 2nd Term**).

22. When returned to the **Edit List** page, you’ll see that the first two prompts are now listed.

![Edit List](image)

23. Repeat steps 16 and 17 until all of the prompts have been added to the list. The **Edit List** page for the three prompts in this example now appears as follows.

![Edit List](image)

24. Click **OK**. The **Edit Criteria Properties** page opens and should resemble this:
25. Click **OK** on the **Edit Criteria Properties** page.

26. Run your query. You can enter a Term in all three of the prompt boxes or in just one or two.