

FIS/HRIS Data Warehouse Cooperative Learning Group

06-04-06

Creating and Editing Super Queries

First, we will create a simple super query, and then edit it. We will do this by using the results set from a canned report and applying a filter to it. Then we will edit the super query by adding an attribute.

Second, we will create a super query by joining two results sets, and then edit it.

Super Query Example #1

- Log into HRIS DW, navigate to the canned reports, and run "Payroll by Activ & Acct for 1 Index", using the current calendar year and one of your departmental Indexes that has Pay charged to it. Let's eliminate the OPE from the report and add an annual total. Close the report window and make sure the results set window is active.
- From the Results menu, choose "Filter" and "Range...". Highlight the Acct attribute and enter 10899 in the Maximum field and leave the radio button at "In range", then click "OK". This will eliminate account numbers above 10899 (like 10901).
- At this point, we have created a super query. To see what one looks like, from the Query menu, choose "Show". When working with super queries, I recommend that you always move the super query window to the bottom right of the screen where you'll be able to find it again.
- To add an attribute, click on the "Payroll by Activ & Acct for 1 Index" portion of the super query and then click the copy tool in the super query window to copy it into the model window. If it warns you about overwriting an existing query, say OK.
- Switch to the Model window and open the Pay object. SUM the Annual Total Amt attribute.
- Switch back to the super query window and click the paste tool in the super query window. Then submit the super query.

Super Query Example #2

- Close all open report and results set windows. Start a new query. Open the Person object and select University ID and LFM Name. Then close the Person object and open the Pay object. SUM the July through Dec amounts. Qualify Calendar Year = 2001. Qualify Index with the !Index prompt. Close the Pay object and select the relationships between Person & Employee and Employee & Pay. Submit the query, using one of your Departmental indexes that has Pay charged to it.
- Minimize the results set. Open the Pay object. Deselect the July through Dec amounts and SUM the Jan through June amounts. Change the Calendar Year qualification to = 20002.
- Submit the query, using the same index as before.
- From the Results menu choose "Combine" and then "Join columns...". From the drop-down list for the Left Results set, choose your first results set, and make sure your second results set ends up on the right hand side. Check "Include all left rows" and "Include all right rows" so you don't lose any pay data. Make sure that University ID = University ID, and click "OK".
- Look at the results and notice that there are two name columns. Let's edit the super query to also join on the name.
- Go to the Query menu, choose "Super Queries...", and then "Show Super Query". Drag the super query window to the bottom right of your screen so you can find it again easily.
- Right-click on the word "Join" and select "Edit operation". Create a second relationship of "LFM Name" = "LFM Name" and click OK.
- Note the error message saying that the sort operations also need to be on LFM Name.

- Right-click on the first sort operation and select "Edit operation". Add a secondary sort on LFM Name and click OK. Repeat on the second sort operation.
- Note that the error message has disappeared, so with the super query window active, run the query.
- Now, let's modify this query to bring back the 2000 – 2001 fiscal year data. Try to edit the Calendar year qualification in the super query window and notice that it won't let you change anything.
- Copy the query for 2001 to the model by clicking on the copy icon in the super query window. Switch to the model window and edit the July – Dec qualification from 2001 to 2000. Switch back to the super query window and paste the modified query from the model into the super query window using the paste icon in the super query window.
- Repeat that process on the Jan – June qualification to change it from 2002 to 2001, then rerun the superquery.