

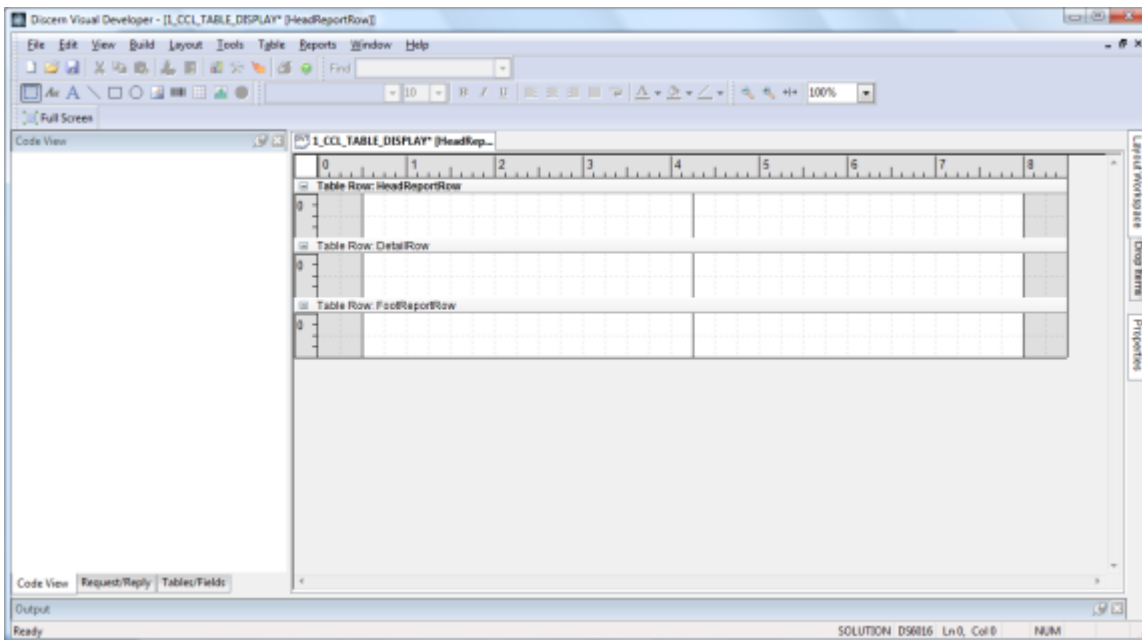
- 1 Creating a Table View Layout

Creating a Table View Layout

A Table View is a layout program that generates its data in a table format with the data displayed using rows and columns. The Table View layout integrates the entire query that is associated with the layout. This means that each row of the query is associated to a Reportwriter section. The flow of the program is dependent and connected to the rows on the table. One advantage of the Table View is that the table can be created as HTML. To demonstrate some of the common table functionality, you will create a report to display information about people, their orders, and order comments in table format. The final output will be a report formatted like the following example:

Person Order Comment Report		
Page: 1 of 2		
ID:	Name:	
3508235.00	Davis , Shawna	
	Dextrose 5% with 0.3% NaCl	4/10/2008 14:58 Dextrose 5% & NaCl 0.3% 17.2414 mg/kg/dose (weight: 58 kg) Potassium Chloride 2 mEq/mL intravenous solution 1.7241 mEq/kg/dose (weight: 58 kg)
	acetaminophen- codeine	2 tablets every 8 hours as needed Abdominal Cramps for 30
	acetaminophen-codeine	Contains codeine or a synthetic codeine
	acetaminophen-diphenhydramine	Take 1 tablet every night at bedtime 1 30 w
	acetaminophen_rk	mar notes
	dexamethasone	Take 20 tablets every 4 hours as needed Anxiety 4 Doses
	metoclopramide	1 tablet every 4 hours
	penicillin	5 mL 4 times a day for 7
	tobramycin	*STD CONC=2MG/ML* EXP=4 DAYS REFR ABX START DATE = __-__-__
	vecuronium	WARNING: This drug may cause respiratory depression. Facilities for artificial respiration must be immediately available.
ID:	Name:	
8035694.00	Deshpande, Neha	
	Consult to Social Services	Order entered secondary to documentation family and or social concerns

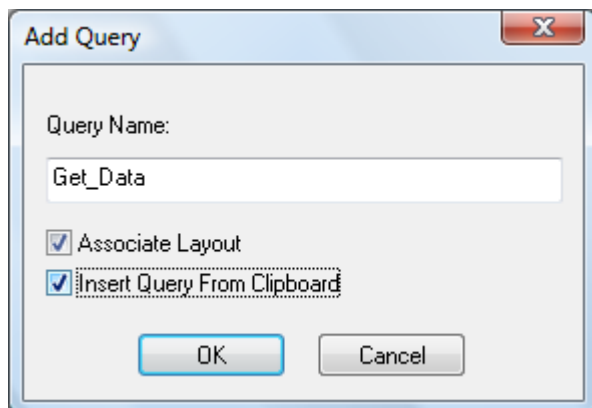
1. Using DVDev, from the File menu, select **New**. The New dialog box opens.
2. From the File Type list, select **Layout Program**.
3. In the Program Name box, enter **1_your_initials_table_display**, and click **OK**. The New Layout Program dialog opens.
4. Select the **Table View** option. Enter **2** for the Number of Columns: option. This option allows you to set the number of columns to place on the table.
5. Verify the PostScript option is selected on the Output Type option.
6. Click **Finish**. Three table rows are created: HeadReportRow, DetailRow and FootReportRow. The Table should look like this:



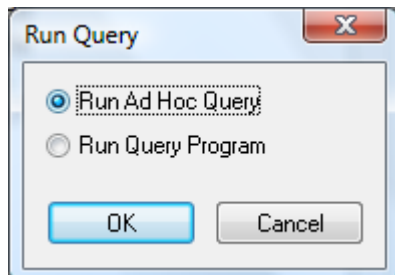
By selecting the Table View, the initial table size is two columns and three rows, which are automatically associated to Reportwriter sections. The rows and columns are evenly spaced within the initial size of table.

The following query selects information about people and orders with order comments:

7. Copy the query to the clipboard.
8. From the Tools menu, select **Query Builder**. The Add Queries dialog box opens.
9. Click **Add**. The Add Query dialog box opens.
10. In the Query name box, enter **Get_Data**, select the **Associate Layout** and **Insert Query From Clipboard** options. Your Add Query dialog box should look similar to the following:



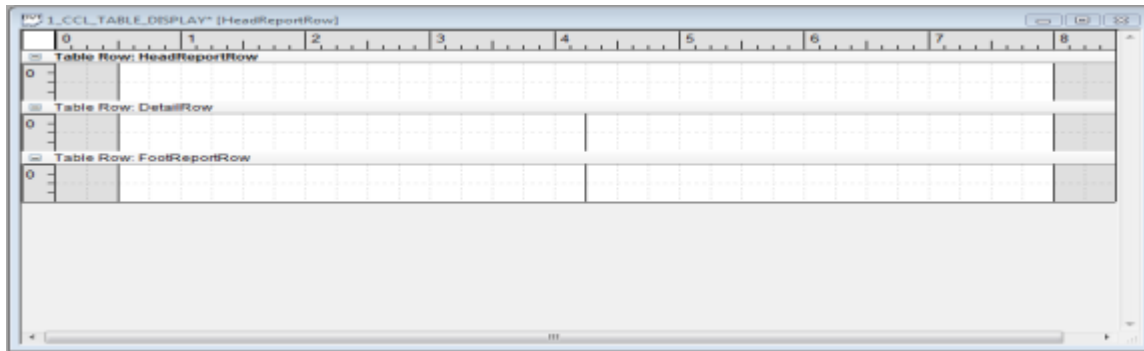
11. Click **OK**. The Discern Query Builder dialog box opens with the query populated from the clipboard.
12. Click **Run Query**. The following Run Query dialog box opens:



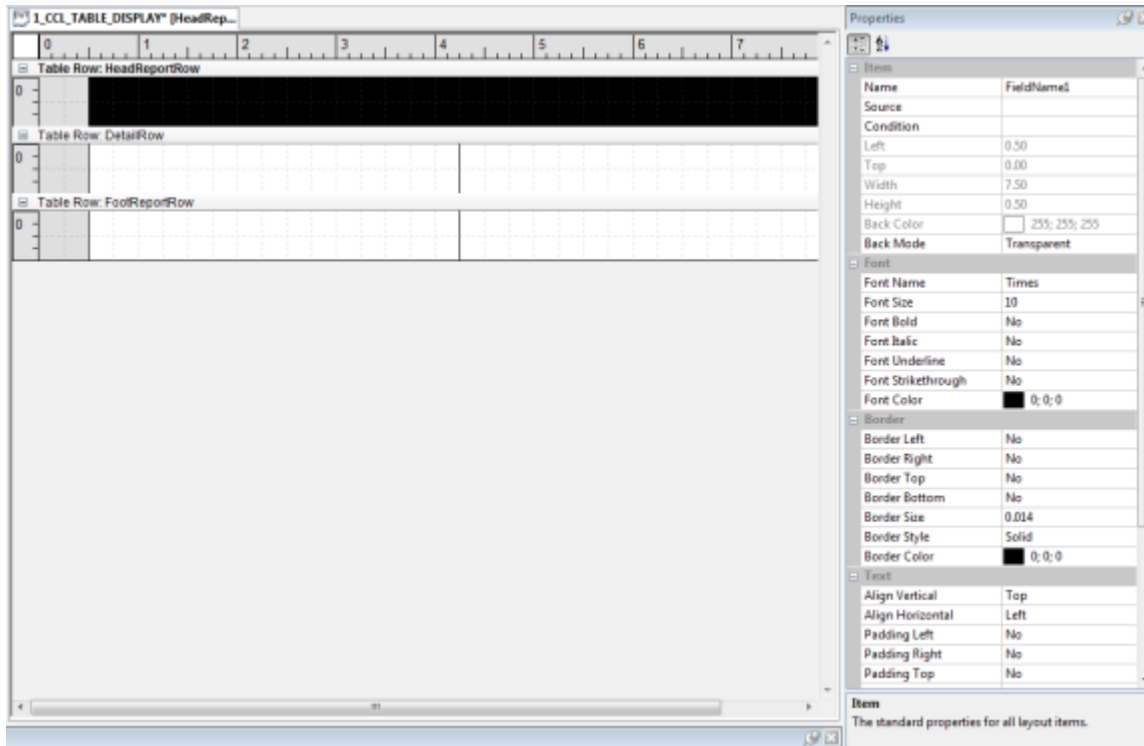
13. Select **Run Ad Hoc Query** and click **OK**. The Query Output window opens.
14. Verify your query returns information about people, their orders, and order comments, and then close the Query Output window. If necessary, modify the qualifications to get a good sample data set. For example, increase the number of days to look back in the date range qualification.
15. Once you have a good sample data set, close the Discern Query Builder window.
16. Click **OK** to close the Add Queries dialog box.

Currently, there are two cells in the HeadReportRow of your table. Since you want to use this row to display a report title, for that, you only need one cell.

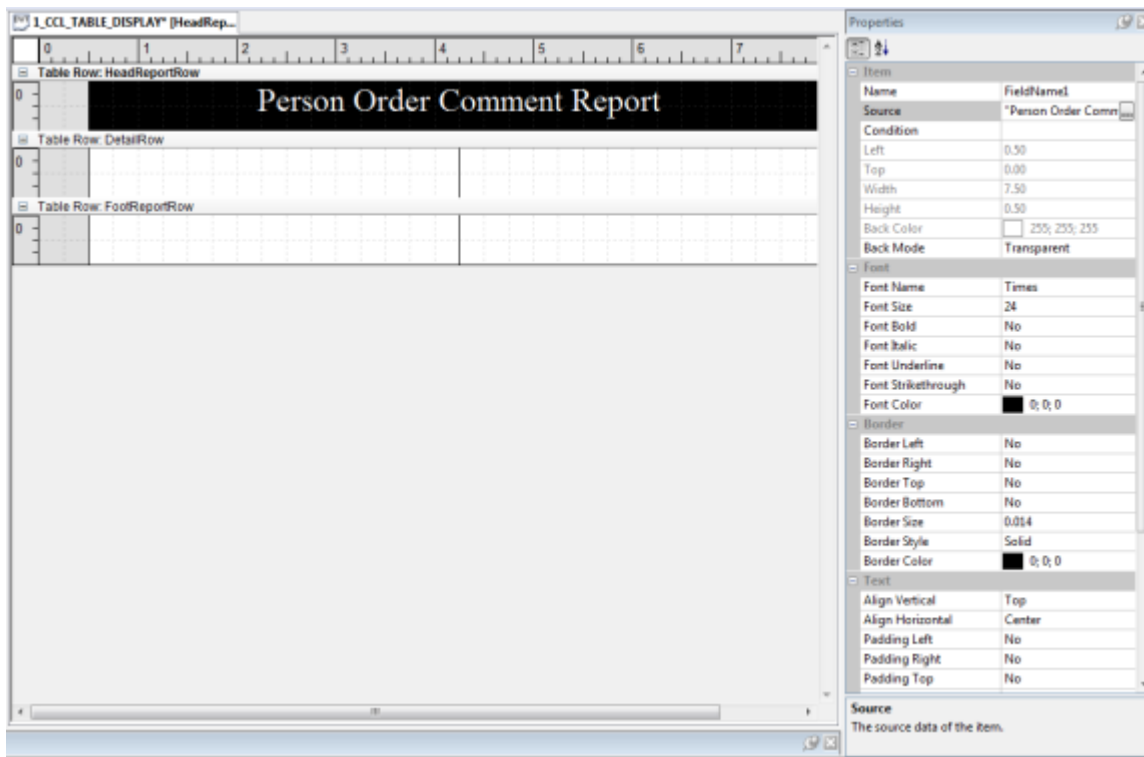
17. Select the first cell in the HeadReportRow of your table.
18. Right-click and select **Remove Cell**. The remaining cell fills in the entire width of the first row in your table.



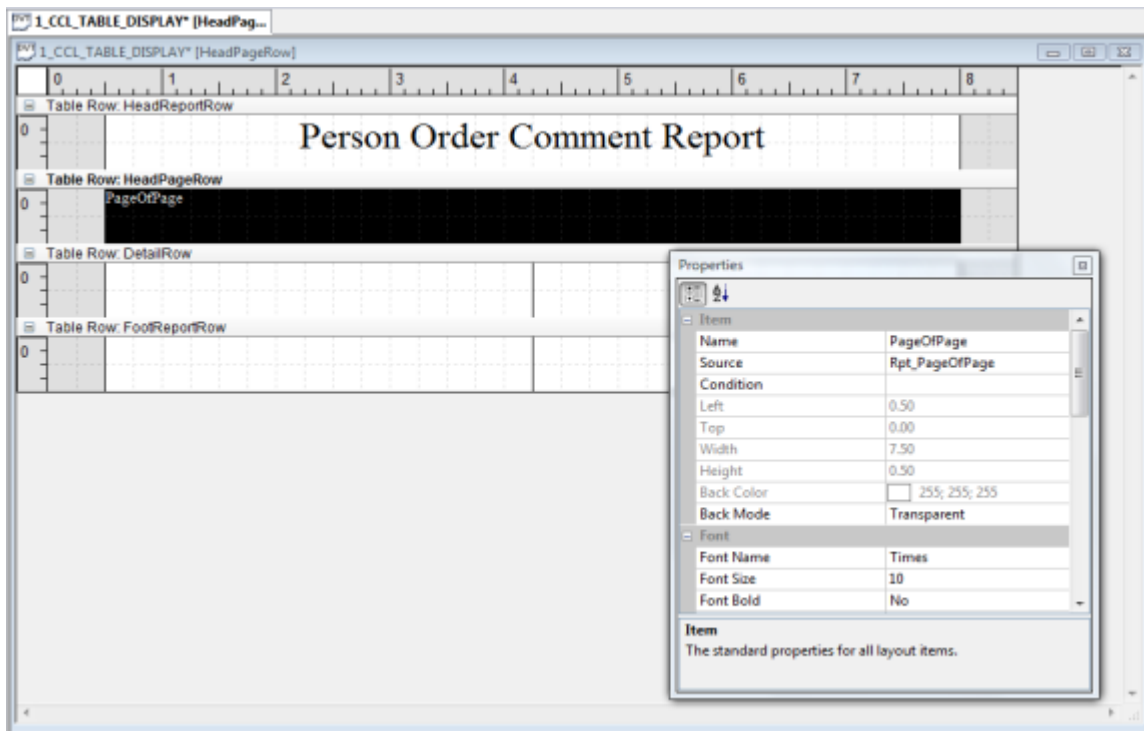
19. Double-click the remaining cell in the HeadReportRow of the table. The properties for that cell are displayed in the Properties window as in the following example. The default name for the Name property varies, depending on which cell you removed.



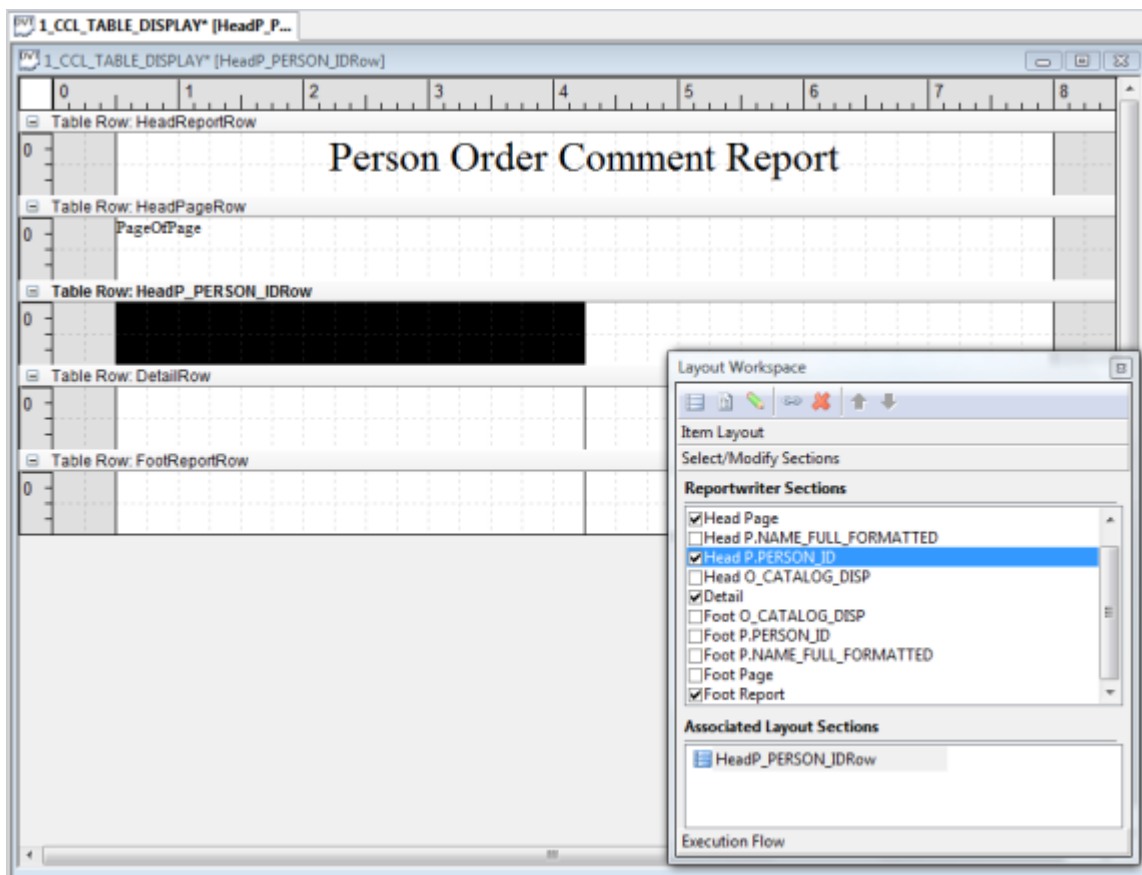
20. In the Source box, enter "**Person Order Comment Report**". You can also double-click in the cell again and enter the text. The quotes must be placed around the text.
21. Modify the Font Size to **24** and the Align Horizontal property to **Center**
22. The following layout is displayed:




23. Check Head Page from the Select/Modify Section of the Workspace dialog box. If the Layout Workspace dialog box is not already displayed, select it from the View menu.
24. Click **Yes** to the message to create a new row that is associated with the Head Page Reportwriter section. A new row, called HeadPageRow, is created after the HeadReportRow. You want to use the HeadPageRow to display the page number for each page of the output.
25. Right-click the first cell in the HeadPageRow, and select **Remove Cell**. The remaining cell fills in the entire width of the HeadPageRow in your table.
26. Click the remaining cell in the HeadPageRow row of the table and click the Properties window. Modify the Name property to **PageOfPage**.
27. In the Source box, enter **Rpt_PageOfPage**, or double-click the cell to enter the variable. Layout Builder creates the special variable Rpt_PageOfPage to display the current page number and the total number of pages. The following layout is displayed:




28. Check the Head P.PERSON_ID from the Select/Modify Section of the Workspace dialog box.
29. Click **Yes** to the message to create a new row called HeadP_PERSON_IDRow that is associated to the Head P.PERSON_ID Reportwriter section. The following layout is displayed:



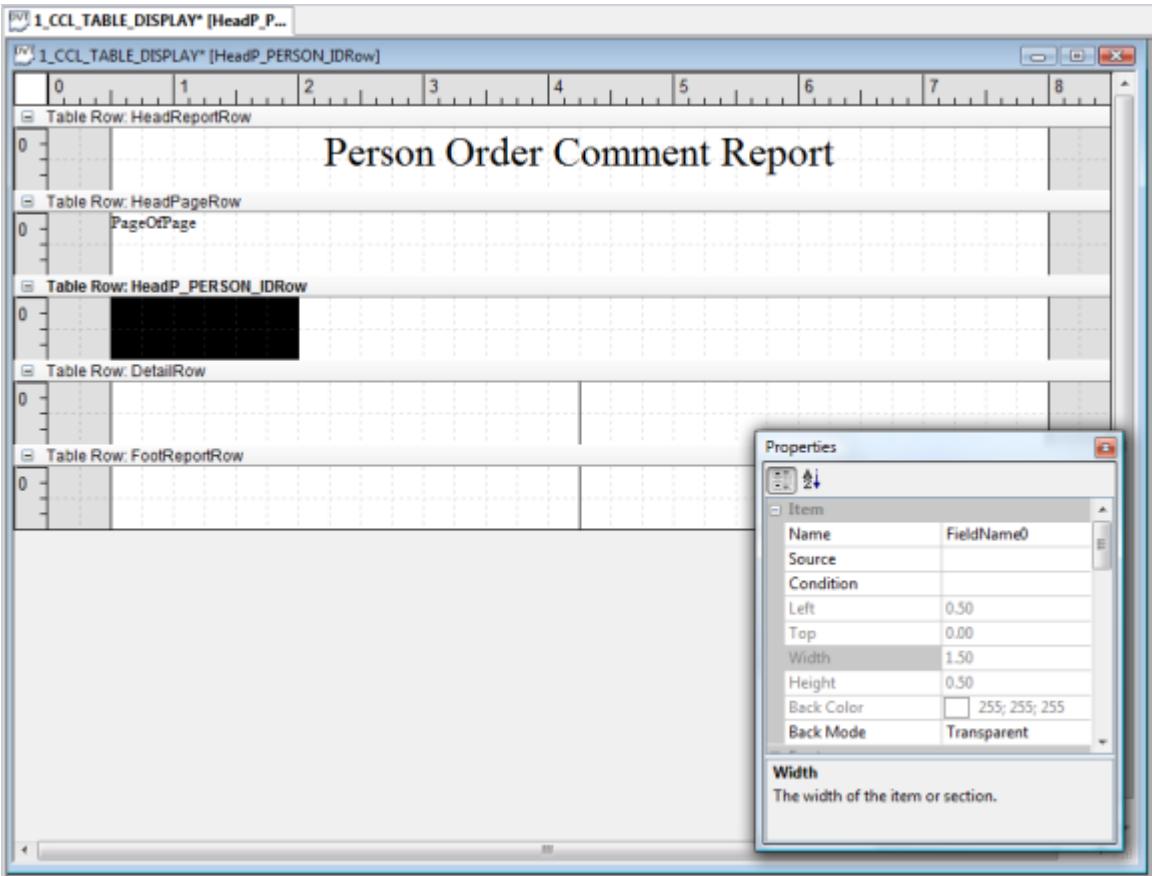
You want to use the HeadP_PERSON_IDRow of the table to display the column headings "ID:" and "Name:" for each person that is returned by the query. You want to use the DetailRow to display the person ID and name of each person returned by the query. Currently, these rows are divided into two cells of equal size. The cells used to display the "ID:" column heading and the person ID do not need to be as large as the cell to display the actual person's name.


There are several options for changing the size of the cells. First, if a single cell is selected and the pointer is moved over a vertical edge of that cell, the pointer changes to the horizontal resize . When the pointer changes to the horizontal resize, drag the vertical edge of the cell to change the size of the cell. If multiple, or no, cells are selected, the horizontal resize can be used to drag the vertical edge of all cells that share a vertical edge

30. Click in the first cell of the HeadP_PERSON_IDRow to select it.

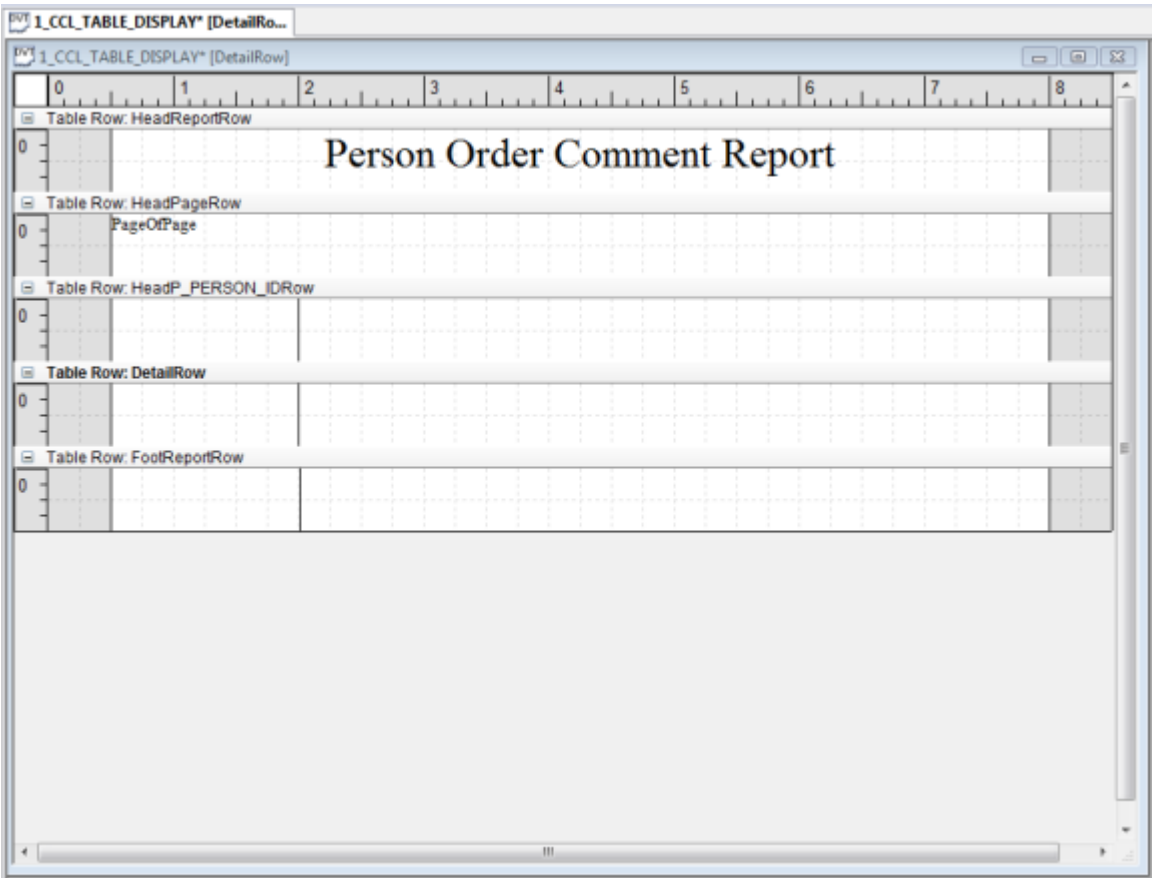
31. Position the pointer over the right vertical edge of the selected cell. When the pointer changes to the horizontal resize , drag the vertical edge of the cell to the left to make the size of the cell about one and a half inches. (The grid lines on the layout are one fourth of an inch apart.) The following

layout is displayed:

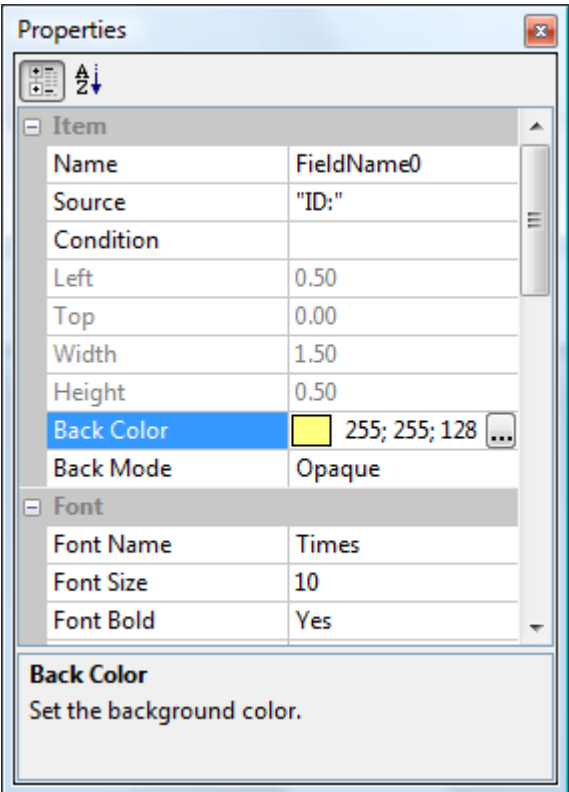


32. Position the pointer over the right vertical edge of the first cell in the DetailRow cell. When the pointer changes to the horizontal resize , drag the vertical edge of the cell to the left to make the size of the cell about one and a half inches. No specific cell was selected, so all cells that share the

same vertical edge are resized. The following layout is displayed:

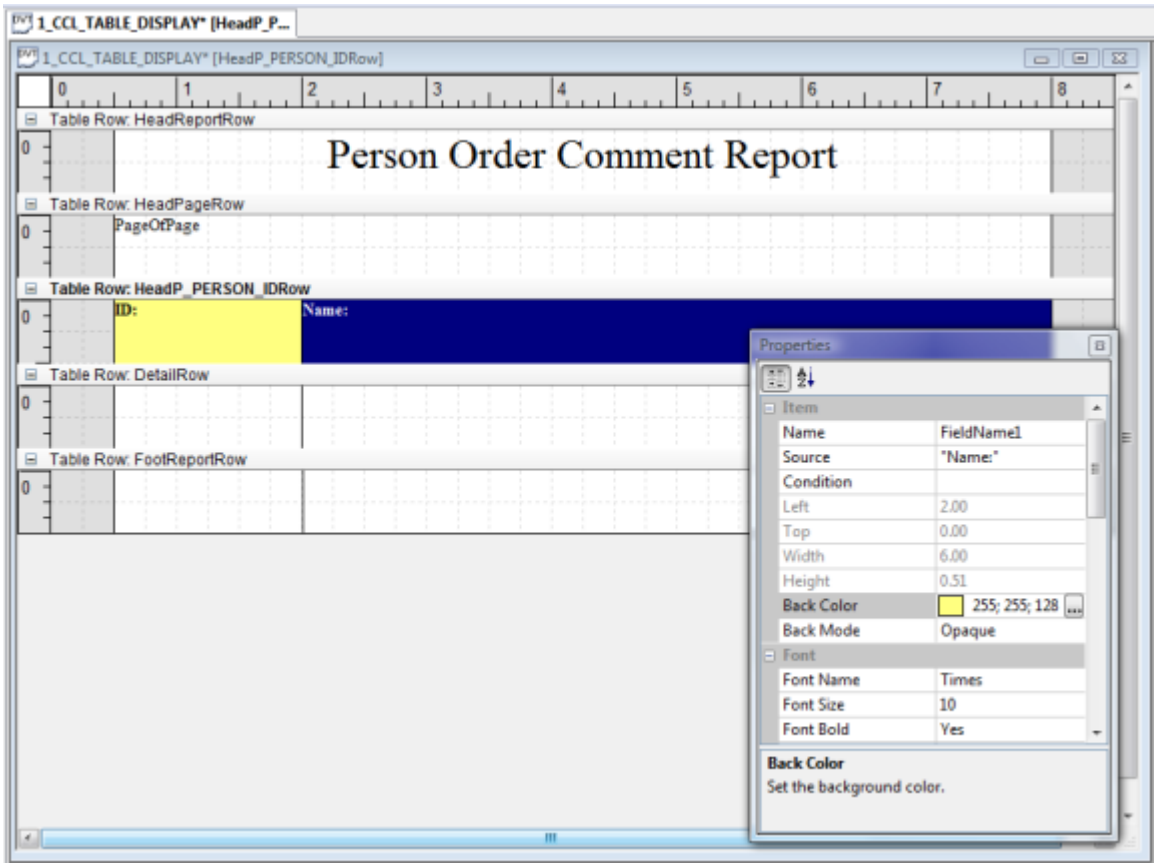


- 33. Click in the first cell of the HeadP_PERSON_IDRow. Click again and enter the text "ID:". The text is added to the Source property.
- 34. Modify the Font Bold property to **Yes**.
- 35. Modify the Back Mode property to **Opaque**.
- 36. Modify the Back Color property to a light color. The following Properties dialog box is displayed:




- 37. Click the cell to the right on the HeadP_PERSON_ID row. Click again and enter "**Name:**". The text is added to the Source property.

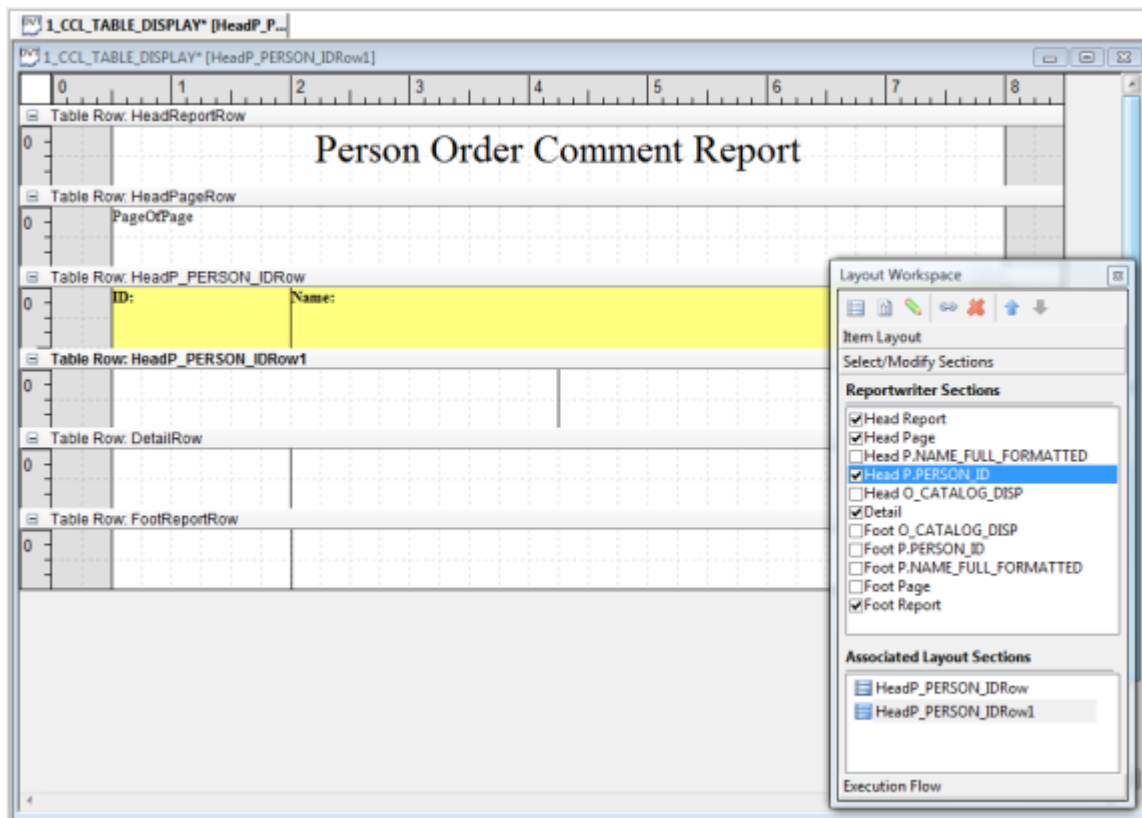
- 38. Modify the Font Bold property to **Yes**.
- 39. Modify the Back Mode property to **Opaque**.
- 40. Modify the Back Color property to a light color. The following layout is displayed:




Note
The Name cell is displayed in black background and white font if it is still selected. The actual cell name in the Name property varies based on which cells you removed in the earlier steps.


You want to display the person ID and name only one time per person. To do this, create another row that is associated with Head P.Person_ID Reportwriter section.


- 41. Select the Head P.PERSON_ID (select the label, not the check box) from the Select/Modify Section of the Workspace dialog box. Click the **New Table Row** button, . A new table row called HeadP_PERSON_IDRow1 is created that is associated to the Head P.PERSON_ID Reportwriter section and immediately follows the HeadP_PERSON_IDSection. The layout will look similar the following:



Since the person's ID is in the first cell of the HeadP_PERSON_IDRow1, the size of the cell can be reduced to one and a half inch.

42. Position the pointer over the right vertical edge of the cell. When the pointer changes to the horizontal resize , drag the vertical edge of the cell to the left to make the size of the cell about one and a half inches.
43. Click in the first cell of the HeadP_PERSON_IDSection row to select it. Access the Properties for the cell.
44. In the Name box, enter **PID**.

45. In the Source box, enter **P.PERSON_ID**, or click in the Source box to activate the ellipsis  button to open the Layout Source [PID] dialog box and select P.PERSON_ID from the Select Fields tree in the Variables column.
46. Click in the second cell of the HeadP_PERSON_IDRow1 to select it. Access the Properties for the cell.
47. In the Name property, enter **Name**.

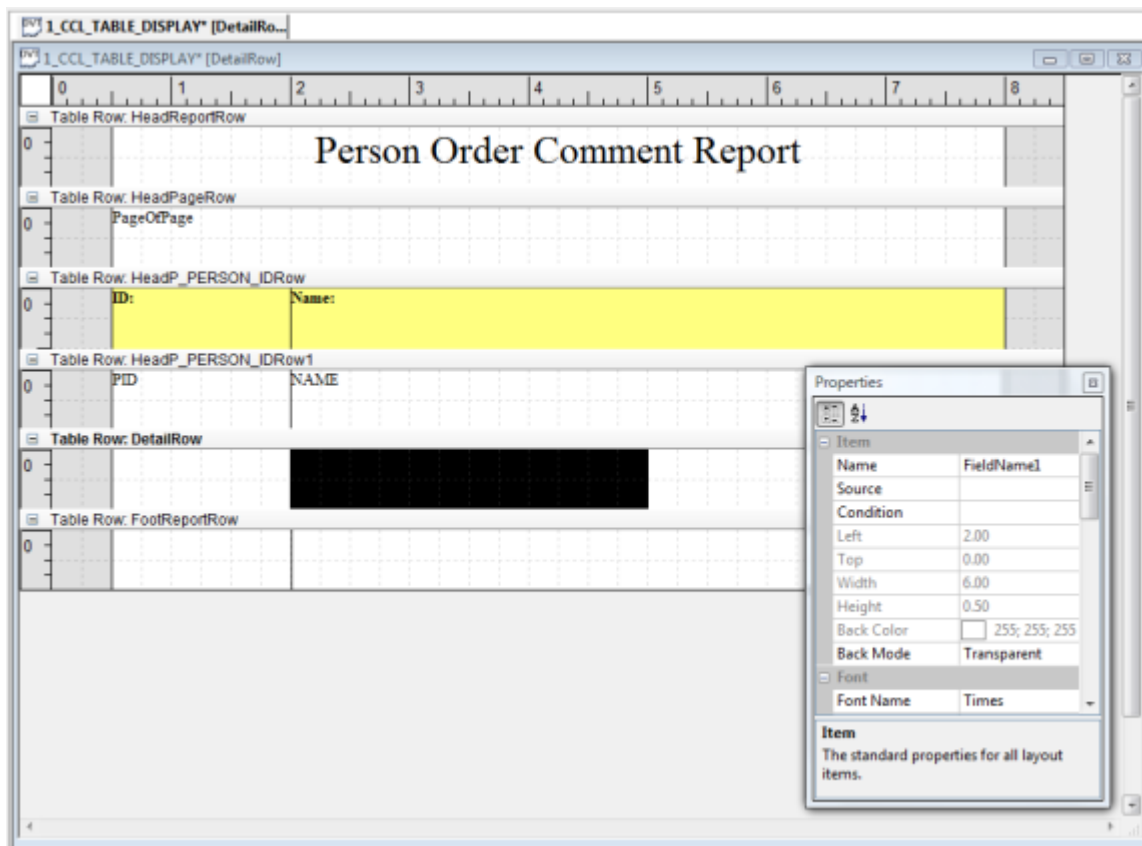
48. In the Source box, enter **P.NAME_FULL_FORMATTED** or click in the Source box to activate the ellipsis  button to open the Layout Source [Name] dialog box and select P.NAME_FULL_FORMATTED from the Select Fields tree in the Variables column.




You want to use the DetailRow of the table to display all of the display values of the catalog codes and the order comments. You also want to indent this information so the display value of the catalog code is under the person's name and the order comments are to the right of that. Because rows on the table must extend across the entire table, in order to indent the order information, leave an empty cell on the left side of the row. Since the last row of the table consists of only two cells, and since you need three cells to accomplish our objective, split one of the cells into two cells.

49. Click in the cell on the right side of the DetailRow to select it.

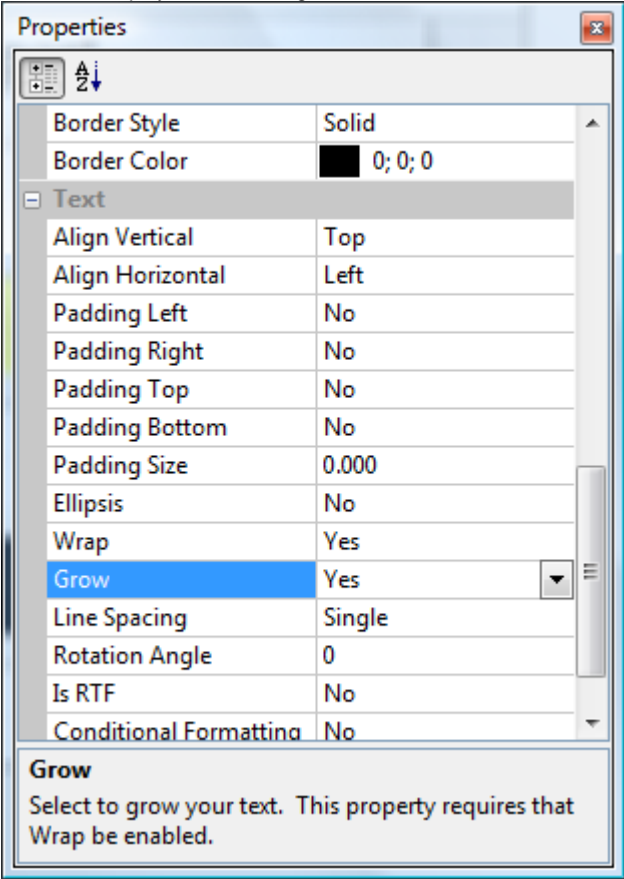
From the Table menu, select **Split Cell**, or right-click in the cell and select **Split Cell**. The Split Cell option divides the existing cell into two cells of equal size.

50. Click in the middle cell on the DetailRow of the table. Access the Properties for the cell. The following layout is displayed:



51. In the Name box, enter **ODisp**.
52. In the Source box, enter **O_CATALOG_DISP** or click in the Source box to activate the ellipsis  button to open the Layout Source [ODisp] dialog box and select **O_CATALOG_DISP** from the Select Fields list in the Variables column.
53. Position your pointer over the right vertical edge of the ODisp cell. When the pointer changes to the horizontal resize , right-click and drag the vertical edge of the cell to the left to make the size of the cell about two inches.
54. Click in the cell to the right of the ODisp cell to select it. The properties for that cell are displayed in the Properties window.
55. In the Name box, enter **OComment**.
56. In the Source box, enter **L.LONG_TEXT**, or click in the Source property box to activate the ellipsis  button to open the Layout Source [Name] dialog box and select **L.LONG_TEXT** from the Select Fields list in the Variables column.
57. From the Text category, modify the Wrap property to **Yes**.
58. From the Text category, modify the Grow property to **Yes**.

Setting the Wrap and Grow properties to Yes enables the Long_Text to be wrapped across multiple lines within the cell and to grow the size of the cell if needed to display all of the Long_Text.



- 59. From the Build menu, select **Run "Your_Layout_Program"**, click the **Run Prompt Program** button, or press CTRL+F5 to execute your layout program.
- 60. Click **Yes** when prompted to save the layout program. Your output should resemble the following output:

Person Order Comment Report

Page: 1 of 2

ID:	Name:	
3508235.00	Davis , Shawna	
	Dextrose 5% with 0.3% NaCl	4/10/2008 14:58 Dextrose 5% & NaCl 0.3% 17.2414 mg/kg/dose (weight: 58 kg) Potassium Chloride 2 mEq/mL intravenous solution 1.7241 mEq/kg/dose (weight: 58 kg)
	acetaminophen- codeine	2 tablets every 8 hours as needed Abdominal Cramps for 30
	acetaminophen-codeine	Contains codeine or a synthetic codeine
	acetaminophen-diphenhydramine	Take 1 tablet every night at bedtime 1 30 w
	acetaminophen_rk	mar notes
	dexamethasone	Take 20 tablets every 4 hours as needed Anxiety 4 Doses
	metoclopramide	1 tablet every 4 hours
	penicillin	5 mL 4 times a day for 7
	tobramycin	*STD CONC=2MG/ML* EXP=4 DAYS REFR ABX START DATE = _-_-_-
	vecuronium	WARNING: This drug may cause respiratory depression. Facilities for artificial respiration must be immediately available.
ID:	Name:	
8035694.00	Deshpande, Neha	
	Consult to Social Services	Order entered secondary to documentation family and or social concerns

61. Close the output display window.
62. Click the first cell of the FootReportRow to select the properties.
63. Enter "End of Report" as the source for this cell.
64. Set the Align Horizontal property to **Center**.
65. To remove the other cell from FootReportRow, right-click in the second cell, and select **Remove Cell**. The following layout is displayed:

1_CCL_TABLE_DISPLAY* [FootRep...								
1_CCL_TABLE_DISPLAY* [FootReportRow]								
0	1	2	3	4	5	6	7	8
Table Row: HeadReportRow								
0	Person Order Comment Report							
Table Row: HeadPageRow								
0	PageOfPage							
Table Row: HeadP_PERSON_IDRow								
0	ID:	Name:						
Table Row: HeadP_PERSON_IDRow1								
0	PID	NAME						
Table Row: DetailRow								
0		ODisp	OComment					
Table Row: FootReportRow								
0	End of Report							

66. From the Build menu, select **Run "Your_Layout_Program"**. Click the Run Prompt Program button, or press CTRL+F5 to execute your layout program.
67. Click **Yes** when prompted to save the layout program. The Report Output window opens.
68. Click the **Next Page** button to go to the last page of the report and scroll to the bottom of the page to verify the End of Report label is displayed. Your output should look like the following:

ID:	Name:	
3508235.00	Davis , Shawna	
	acetaminophen_rk	mar notes
	metoclopramide	1 tablet every 4 hours
	penicillin	5 mL 4 times a day for 7
	vecuronium	WARNING: This drug may cause respiratory depression. Facilities for artificial respiration must be immediately available.
End of Report		