

1. De-group the grouped columns in the report:

** ACADEMIC_PERIOD	ACADEMIC_PERIOD_DESC	SUBJECT	SUBJECT_DESC	COURSE_NUMBER -	COURSE_REFERENCE_NUMBER
< ACADEMIC_PERIOD>	< ACADEMIC_PERIOD_DESC>	< SUBJECT>	< SUBJECT_DESC>	< COURSE_NUMBER>	<course_reference_number></course_reference_number>
				<course_number></course_number>	<course_reference_number></course_reference_number>
			<subject_desc></subject_desc>	<course_number></course_number>	<course_reference_number></course_reference_number>
				<course_number></course_number>	<course_reference_number></course_reference_number>
		<subject></subject>	<subject_desc></subject_desc>	<course_number></course_number>	<course_reference_number></course_reference_number>
	- A & - M	□ =• ~	I		

2. Drag in a custom Data Item into your query:



- Determine what the running-count distinct should be on. In this case we want to highlight every other COURSE_NUMBER for Subject. Syntax looks like this: runninngcount(distinct[COURSE_NUMBER] for [SUBJECT])
 - Note that if you have additional levels of detail you want to put into your count for [COURSE_NUMBER] you add it after the for statement separated by a comma: runningcount(distinct[COURSE_NUMBER] for [SUBJECT],[ACADEMIC_PERIOD])



ame: Running-Count		
ailable Components:		a 🖬 🗙
	Expression Definition:	
	running-count(distinct[COURSE_NUMBER] for [SU	BJECT])
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77 E.	🐲 Tips Errors	

4. Click on Condition Explorer:

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Find O		SUE SUE COL
Report 🗟		🔲 COL 📝 Runi
QUERIES (+)		
 Queries Query1 		

5. Right click on Variables and select "New Boolean Variable"... and either give it a name or leave it as is.





Highlight Condition to Alternate Lines on a Report Output – Student Version

 Apply the Mod function on "running-count" divided by 2 = 0. Syntax is: mod([Query1].[Running-Count],2)=0 (Any odd number divided by 2 yields a remainder, but any even number divided by 2 is 0. With this logic odd numbers and even numbers are differentiated)

Report expression	0
Available Components: Query1 ACADEMIC_PERIOD ACADEMIC_PERIOD_DESC SUBJECT SUBJECT_DESC COURSE_NUMBER COURSE_REFERENCE_NU Running-Count	Expression Definition: mod([Query1].[Running-Count],2)=0
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7. To connect the Boolean variable with a highlight condition on the report click on the "List column Body" and click the ellipses on "Style variable":

	ACADEMIC_PERIOD	ACADEMIC_PERIOD_DESC	
	<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<
	<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<
	<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<
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8. On the variable drop down select the Boolean variable you created:

Style variable		8
Variable:		
		~
(None)		
<new language="" td="" variable<=""><td>:></td><td></td></new>	:>	
<new string="" variable=""></new>		
<new boolean="" variable=""></new>	>	
🛛 🗙 Boolean1		
	Select all	Deselect all
(i) Information:		
Use the Condition explorer out to the desired condition, then, authoring.	iside of this dia perform the c	alog to navigate onditional
	OK	Cancel

9. To set the highlight condition once the Style variable is set click on the "Condition Explorer" while on the report page:



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10. With the first column of the list still highlighted click the "Yes" variable under your created Boolean variable:



11. Select the highlight color you want it to be by changing the color in "Background color":



List column body	Ŧ
CONDITIONAL	
Style variable	Boolean1
Text source variable	
DATA	
Data format	
BOX	
Border	
Padding	
Box type	
COLOR & BACKGROUND	
Background image	
Background effects	
Background color	Silver ···
Foreground color	
FONT & TEXT	
Font	

12. Repeat these steps on the remaining column bodies so the entire row will be highlighted on the "Yes" variable. This means the row will highlight when the variable is met and not highlight when it is not met. In other words it will highlight when the running-count is an even number and not when it is an odd number:

ACADEMIC_PERIOD	ACADEMIC_PERIOD_DESC	SUBJECT	SUBJECT_DESC	COURSE_NUMBER	COURSE_REFERENCE_NUMBER
<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<subject></subject>	<subject_desc></subject_desc>	<course_number></course_number>	<course_reference_number></course_reference_number>
<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<subject></subject>	<subject_desc></subject_desc>	<course_number></course_number>	<course_reference_number></course_reference_number>
<academic_period></academic_period>	<academic_period_desc></academic_period_desc>	<subject></subject>	<subject_desc></subject_desc>	<course_number></course_number>	<course_reference_number></course_reference_number>

13. At this point if you try and run the report and the running-count is not part of your list output which in this report it is not you will see the following error: RSV-VAL-0032 The following expression is not valid: mod([Query1].[Running-Count],2)=0. If the item exists in a query but is not referenced in the layout, add it to a property list. CRX-API-0005 An error occurred at or near the position '4'. The variable named '[Query1].[Running-Count]' is invalid.

This error is because you are using a data item in a condition for the list output that is not contained within the list itself. To fix this you much check the box in the Properties Property by clicking the list itself using the 3 red dots in the upper left corner:





14. In the Properties box on the right hand side under the Data sub heading click the ellipses on Properties:

□ Y List		7
CONDITIONAL		*
Conditional styles		
Style variable		
Render variable		
No data contents	No Data Available	
DATA		
Grouping & sorting		
Query	Query1	
Rows per page		
Master detail relationships		
Suppression		
Properties		
Share result set	No	
GENERAL		
Contents height	Minimal	



15. Check the box for your custom data item:

Properties 😵
 ACADEMIC_PERIOD ACADEMIC_PERIOD_DESC SUBJECT SUBJECT_DESC COURSE_NUMBER COURSE_REFERENCE_NUMBER Running-Count
Select all Deselect all OK Cancel

16. Now when you run the report you will see shading separates your rows based on how you directed it to split allowing you to visually see separation without having to merge cells and lose functionality.