

CREATING CUSTOM RTF TEMPLATE FOR OUR MASTER DETAILS REPORT:

RTF Template in BI Publisher

Use Case 2

- Show PO Header Information in Form Layout and PO Lines in Table Layout.
- Provide a Report Name
- Add Header to insert company logo on the left side and Date Timestamp using extended XSL Function on the right
`<?xdoxslt:sysdate('DD-MON-YYYY HH24:MI')?>`
- Always show a PO from a new Page
`<?split-by-page-break:>`
- Decode the PO Status to a user friendly status using extended SQL Function
`<?xdofx:decode(PO_STATUS,'OPEN','Open PO','CLOSED', 'Closed PO','Others')?>`
- Calculate Line Amount
`<?ITEM_UNIT_PRICE*ITEM_QUANTITY?>`
- Calculate the PO Amount (sum of all line amount)
 1. `<?xdoxslt:set_variable($_XDOCTX, 'TotLineAmt',0)?>`
 2. `<?xdoxslt:set_variable($_XDOCTX, 'LineAmt',ITEM_UNIT_PRICE*ITEM_QUANTITY)?>`
 3. `<?xdoxslt:set_variable($_XDOCTX, 'TotLineAmt',xdoxslt:get_variable($_XDOCTX, 'TotLineAmt')+xdoxslt:get_variable($_XDOCTX, 'LineAmt'))?>`

4. 2 & 3 can be combined into one

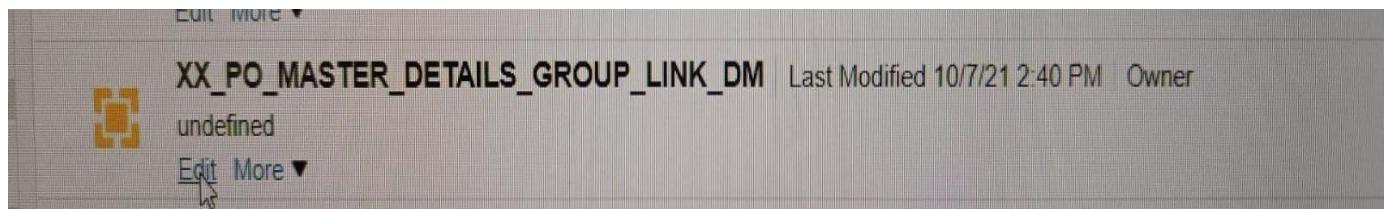
0:36 / 26:36

`<?xdoxslt:set_variable($_XDOCTX, 'TotLineAmt',xdoxslt:get_variable($_XDOCTX, 'TotLineAmt')+ITEM_UNIT_PRICE*ITEM_QUANTITY)?>`

`5. <?xdoxslt:get_variable($_XDOCTX, 'TotLineAmt')?>`

- Show Total Line Amount or PO Amount in words
`<?xdoxslt:toCheckNumber($_XDOLOCALE, xdoxslt:get_variable($_XDOCTX, 'TotLineAmt'), 'USD')?>`

SELECT THE DATA MODEL AND EDIT IT:



S

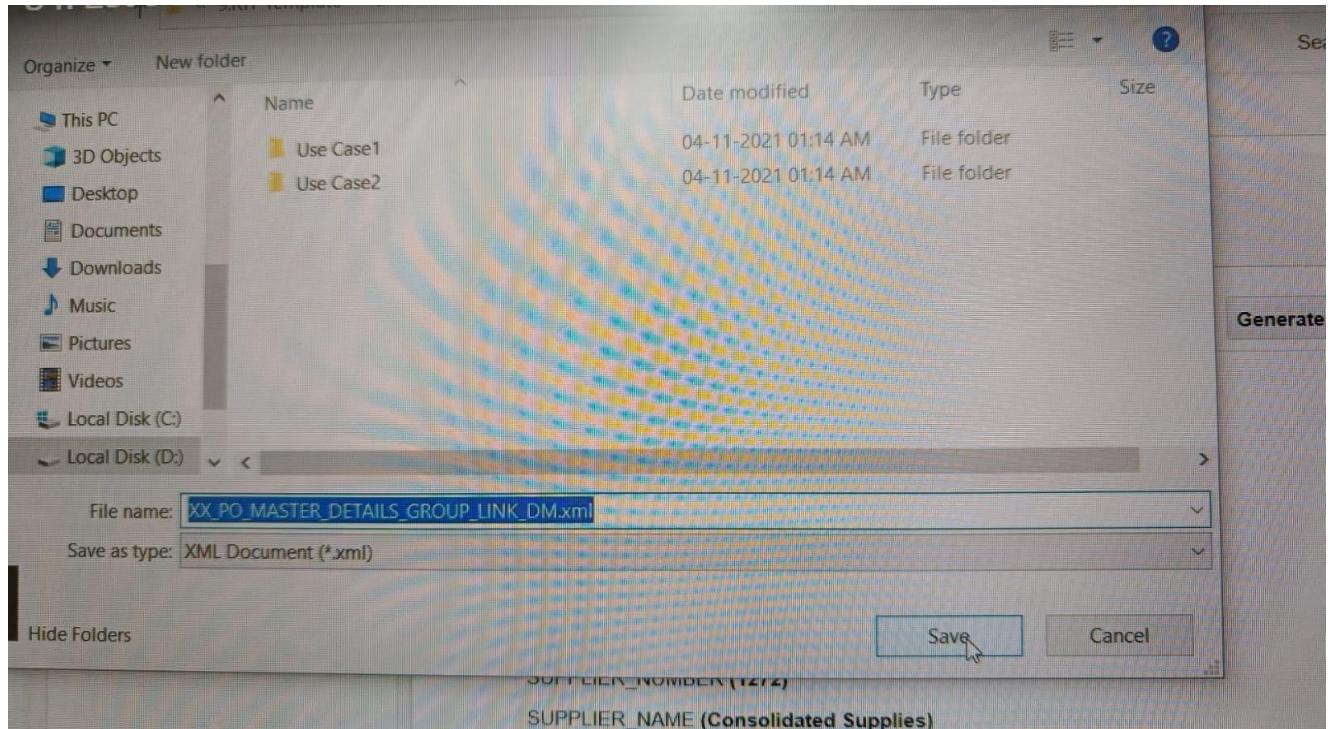
DATA_DS

- ▲ G_1
 - PO_HDR_ID (300000071807364)
 - PO_NUMBER (55114)
 - PO_STATUS (OPEN)
 - PO_TYPE (STANDARD)
 - SUPPLIER_NUMBER (1272)
 - SUPPLIER_NAME (Consolidated Supplies)
- ▲ G_2
 - PO_HEADER_ID (300000071807364)
 - PO_LINE_ID (300000071807366)
 - PO_LINE_NUM (1)
 - PO_LINE_STATUS (OPEN)
 - PO_ITEM (T55945)
 - ITEM_UOM (zzu)
 - ITEM_UNIT_PRICE (129)
 - ITEM_QUANTITY (2)

G 1

G1 IS FOR HEADER DATA & G2 IS FOR LINES DATA.

NOW EXPORT THE REPORT OUTPUT (.XML FILE):



```

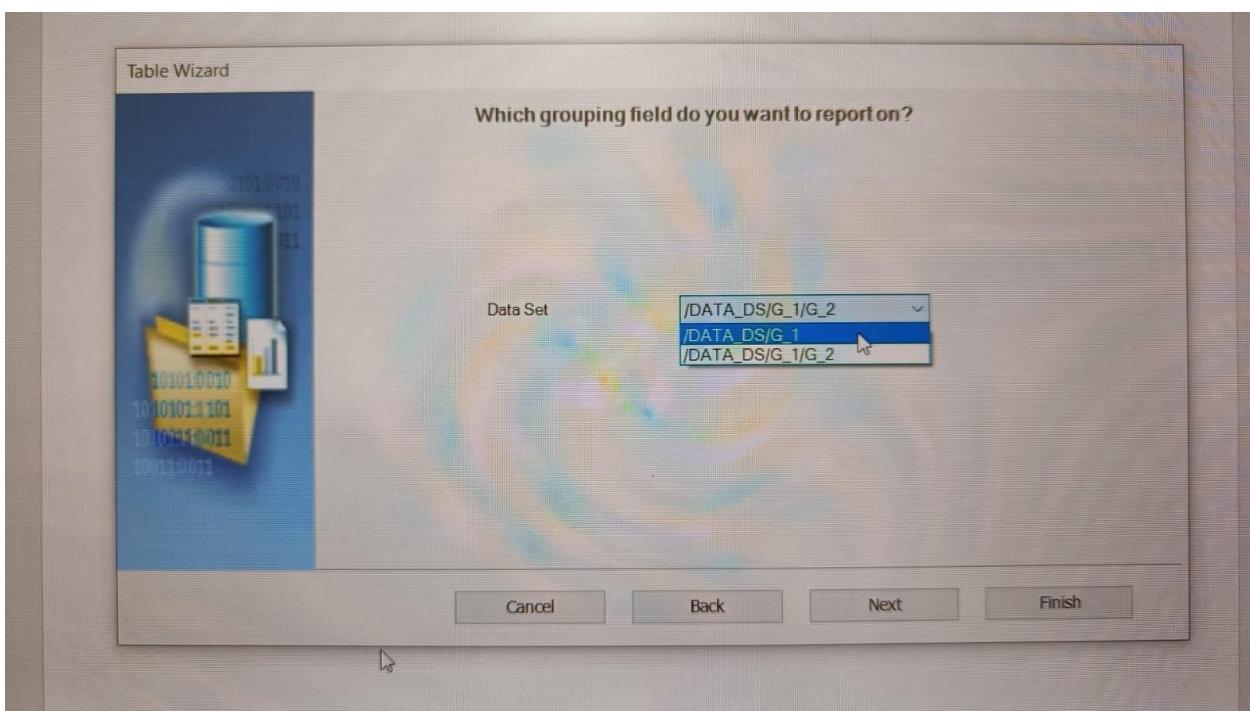
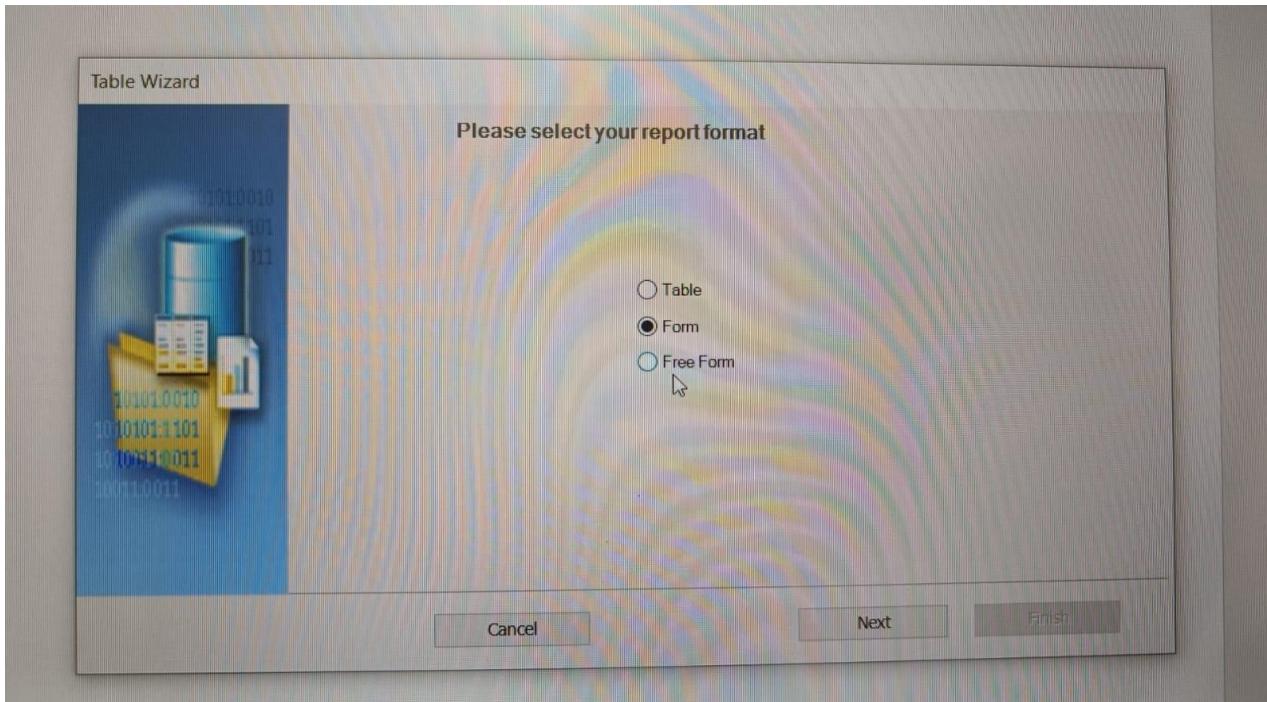
1 <?xml version = '1.0' encoding = 'utf-8'?>
2 <!--Generated by Oracle BI Publisher -Dataengine, datamodel:_Custom_Financials_XX_PO_MASTER_DETAILS_GROUP_LINK_DM_xdm -->
3 <DATA_DS>
4 <G_1>
5 <PO_HDR_ID>300000071807364</PO_HDR_ID><PO_NUMBER>55114</PO_NUMBER><PO_STATUS>OPEN</PO_STATUS><PO_TYPE>STANDARD</PO_TYPE><SUPPLIER_NAME>Consolidated Supplies</SUPPLIER_NAME>
6 <G_2>
7 <PO_HEADER_ID>300000071807364</PO_HEADER_ID><PO_LINE_ID>300000071807366</PO_LINE_ID><PO_LINE_NUM>1</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
</PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>129</ITEM_UNIT_PRICE><ITEM_QUANTITY>2</ITEM_QUANTITY>
8 </G_2>
9 </G_1>
10 <G_1>
11 <PO_HDR_ID>300000071844565</PO_HDR_ID><PO_NUMBER>55116</PO_NUMBER><PO_STATUS>OPEN</PO_STATUS><PO_TYPE>STANDARD</PO_TYPE><SUPPLIER_NAME>
12 <G_2>
13 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844567</PO_LINE_ID><PO_LINE_NUM>1</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
<(10.1)"></PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>10</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>
14 </G_2>
15 <G_2>
16 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844570</PO_LINE_ID><PO_LINE_NUM>2</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
<(10.1)"></PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>10</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>
17 </G_2>
18 <G_2>
19 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844573</PO_LINE_ID><PO_LINE_NUM>3</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
<(7)"></PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>6</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>
20 </G_2>
21 <G_2>
22 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844576</PO_LINE_ID><PO_LINE_NUM>4</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
<(7)"></PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>6</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>
23 </G_2>
24 <G_2>
25 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844579</PO_LINE_ID><PO_LINE_NUM>5</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
</PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>18</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>
26 </G_2>
27 <G_2>
28 <PO_HEADER_ID>300000071844565</PO_HEADER_ID><PO_LINE_ID>300000071844582</PO_LINE_ID><PO_LINE_NUM>6</PO_LINE_NUM><PO_LINE_STATUS>OPEN</PO_LINE_STATUS>
</PO_ITEM><ITEM_UOM>zzu</ITEM_UOM><ITEM_UNIT_PRICE>18</ITEM_UNIT_PRICE><ITEM_QUANTITY>30</ITEM_QUANTITY>

```

NOW CREATE .RTF TEMPLATE ON BI PUBLISHER:

LOAD THE SAMPLE DATA

WE ARE DISPLAYING HEADER DATA IN FORM FORMAT AND LINES DATA IN TABLE FORMAT:



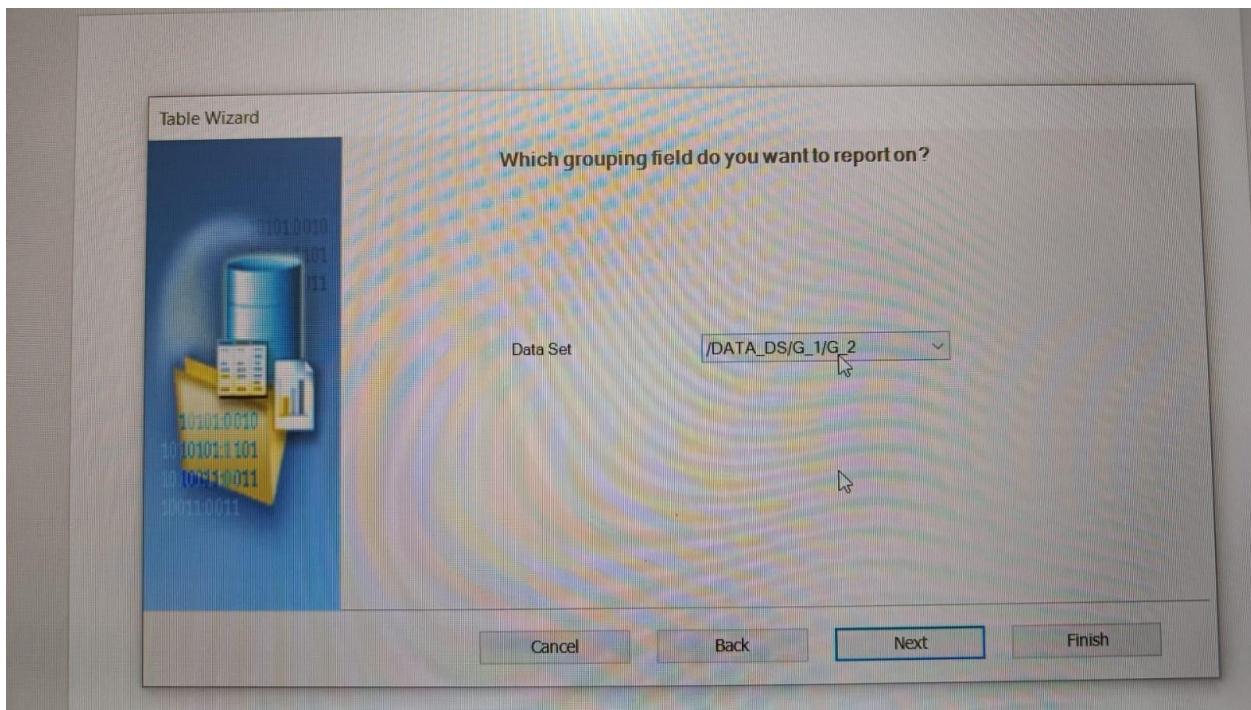
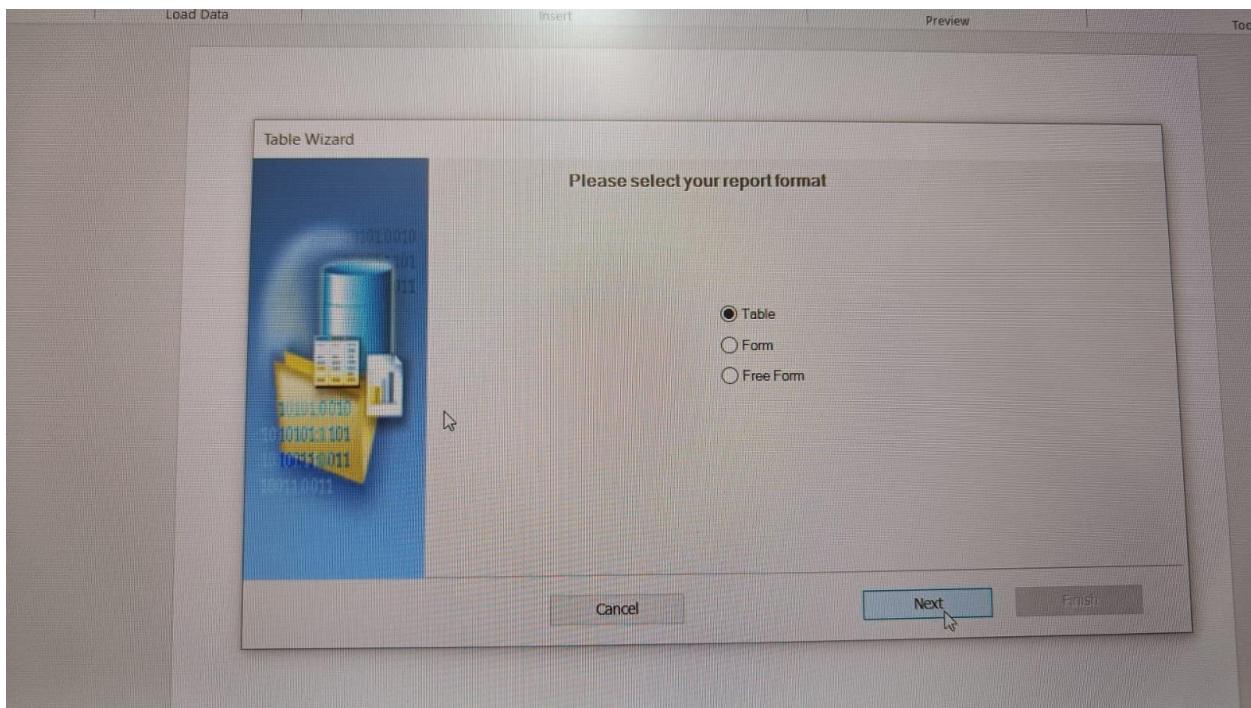
for-each G_1	
PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

end G_1

CHECK THE PREVIEW:

PO_NUMBER	55114
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1272
SUPPLIER_NAME	Consolidated Supplies
PO_NUMBER	55116
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1271
SUPPLIER_NAME	EDF
PO_NUMBER	44695
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1277
SUPPLIER_NAME	Masson Inc
PO_NUMBER	162180
PO_STATUS	OPEN

NOW ADD THE LINES DATA:



GROUP BY > GROUP ABOVE

SORT BY > ASC

for-each G_1

PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

PO_LINE_NUM	PO_LINE_STATUS	PO_ITE	ITEM_UO	ITEM_UNIT_PRIC	ITEM_QUANTIT
M	S	M	M	E	Y
F	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY
PO_LINE_NUM					E
M					

end G_1

PO_NUMBER	55114
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1272
SUPPLIER_NAME	Consolidated Supplies

PO_LINE_NUM	PO_LINE_STA	PO_ITE	ITEM_UO	ITEM_UNIT_PR	ITEM_QUANTI
UM	TUS	M	M	ICE	TY
1	OPEN	T55945	zzu	129	2

PO_NUMBER	55116
PO_STATUS	OPEN
PO_TYPE	STANDARD

ADD HEADER TO INSERT COMPANY LOGO ON LEFT:

GO TO INSERT> HEADER >

Purchase Order Report

for-each G_1

PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY
FPO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY

end G_1

NOW INSERT > TABLE > 3 COL

Header

Purchase Order Report

for-each G_1

PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY
FPO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY

end G_1

Picture Styles

Arrange

PO_NUMBER	PO_NUMBER				
PO_STATUS	PO_STATUS				
PO_TYPE	PO_TYPE				
SUPPLIER_NUMBER	SUPPLIER_NUMBER				
SUPPLIER_NAME	SUPPLIER_NAME				
PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY
FPO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT PRICE	ITEM QUANTITY E

NOW REMOVE THE TABLE BORDERS:

The screenshot shows the Microsoft Word ribbon with the Home tab selected. A table is inserted into the document. The 'Borders' button in the Font group of the ribbon is highlighted, and a dropdown menu is open, showing various border options. The 'No Border' option is selected. The table below the borders dropdown shows two rows of data.

PO_NUMBER	PO_NUMBER		
PO_STATUS	PO_ST		
PO_TYPE	PO_TY		
SUPPLIER_NUMBER	SUPPL		
SUPPLIER_NAME	SUPPL		
PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_U
FPO LINE NUM	PO LINE STATUS	PO ITEM	ITEM_U

NOW PREVIEW IT:

04 NOV 2021 01:32

Purchase Order Report

PO_NUMBER	55114
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1272
SUPPLIER_NAME	Consolidated Supplies

PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY
1	OPEN	T55945	zzu	129	2

PO_NUMBER	55116
PO_STATUS	OPEN
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1271

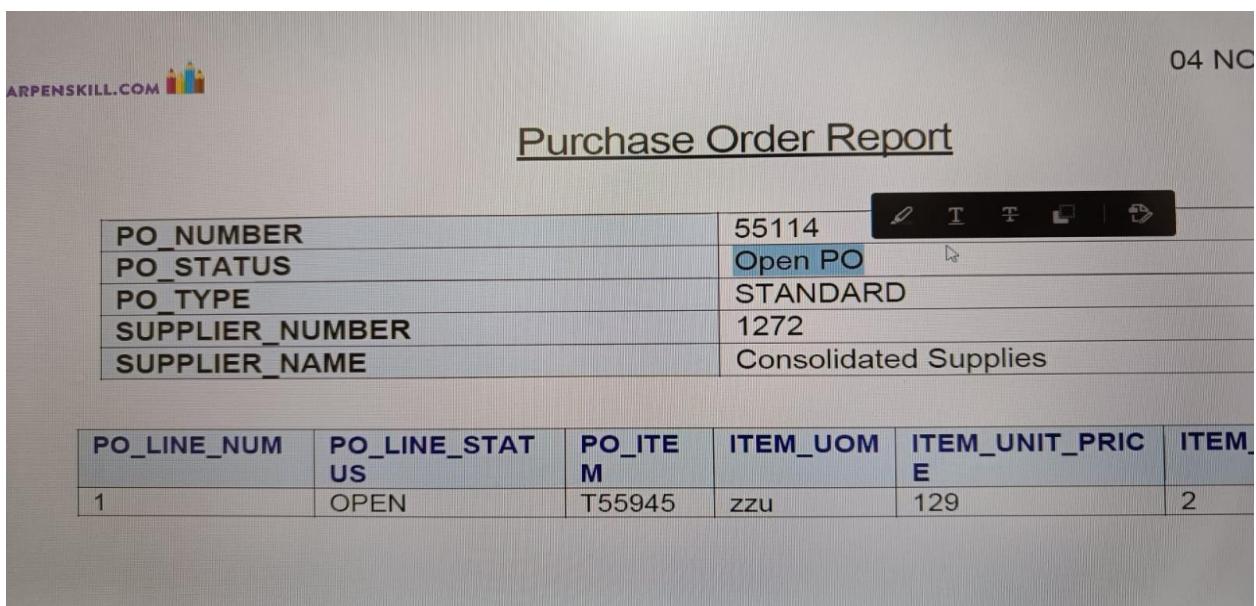
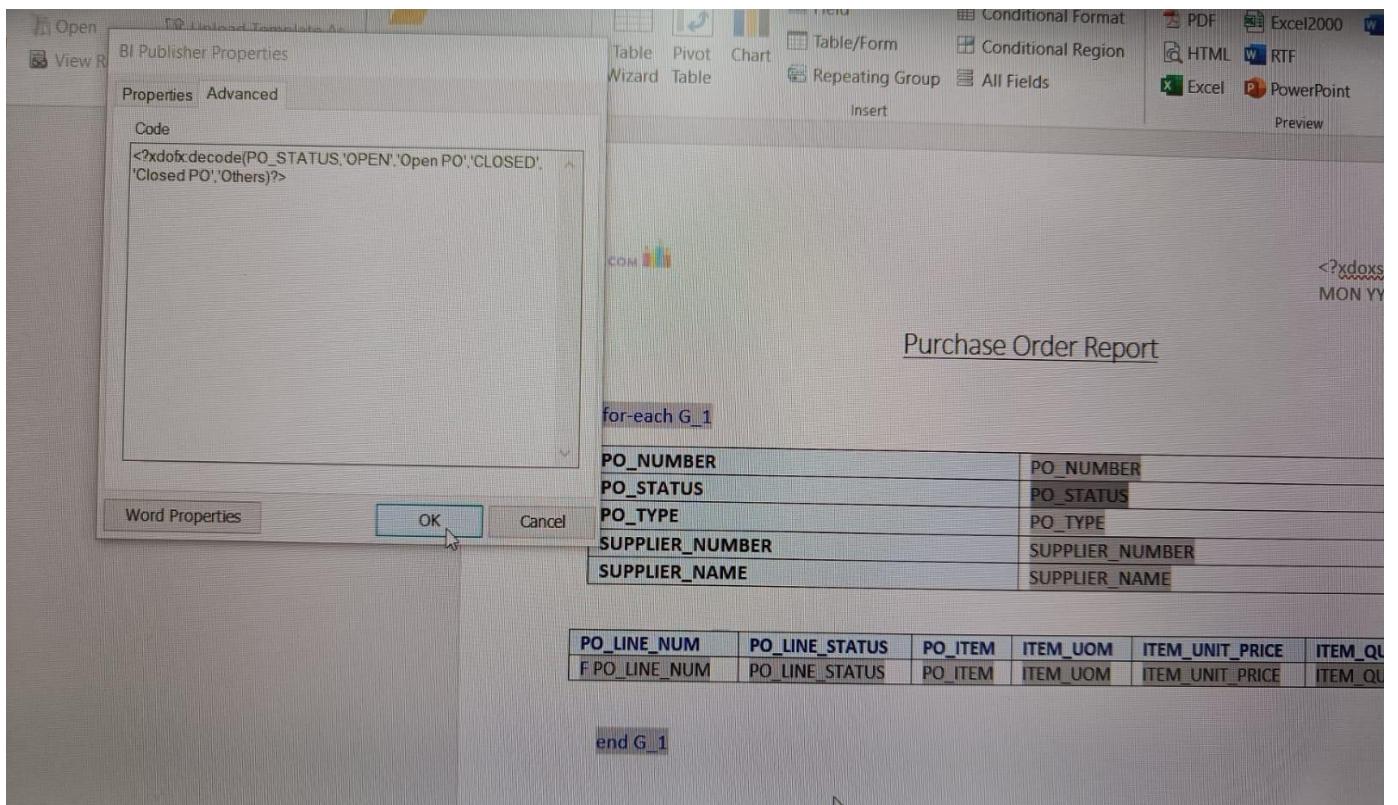
SHOW PO FROM NEW PAGE:

CLICK END G_1 > ADD CODE

MODIFY 'PO STATUS' TO A USER FREINDLY STATUS USING SQL DECODE FUNCTION:

I.E. IF PO STATUS IS OPEN THEN DISPLAY 'Open PO' TO USER

CLICK PO_STATUS >



CALCULATE LINE AMOUNT:

INSERT 'COLUMN TO RIGHT' IN OUR LINES TABLE.

Sample XML Data Table Wizard Pivot Table Chart Repeating Group All Fields Insert

HTML RTF Excel PowerPoint Preview

Field Browser Check

Check

BI Publisher Properties

Properties Advanced

General

Data Field ITEM_QUANTITY

Text to display LINE_AMOUNT

Formatting

Type Regular Text

Format

Force LTR

Data Aggregation

Function

Scope Normal

Word Properties OK Cancel

Purchase Order Report

PO_NUMBER
PO_STATUS
PO_TYPE
SUPPLIER_NUMBER
SUPPLIER_NAME

LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	Line Amount
LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	ITEM_QUANTITY

end G_1

BI Publisher Properties

Properties Advanced

Code

```
<?ITEM_QUANTITY*ITEM_UNIT_PRICE?>
```

Word Properties OK Cancel

end G_1

04 NOV 2021 01:40

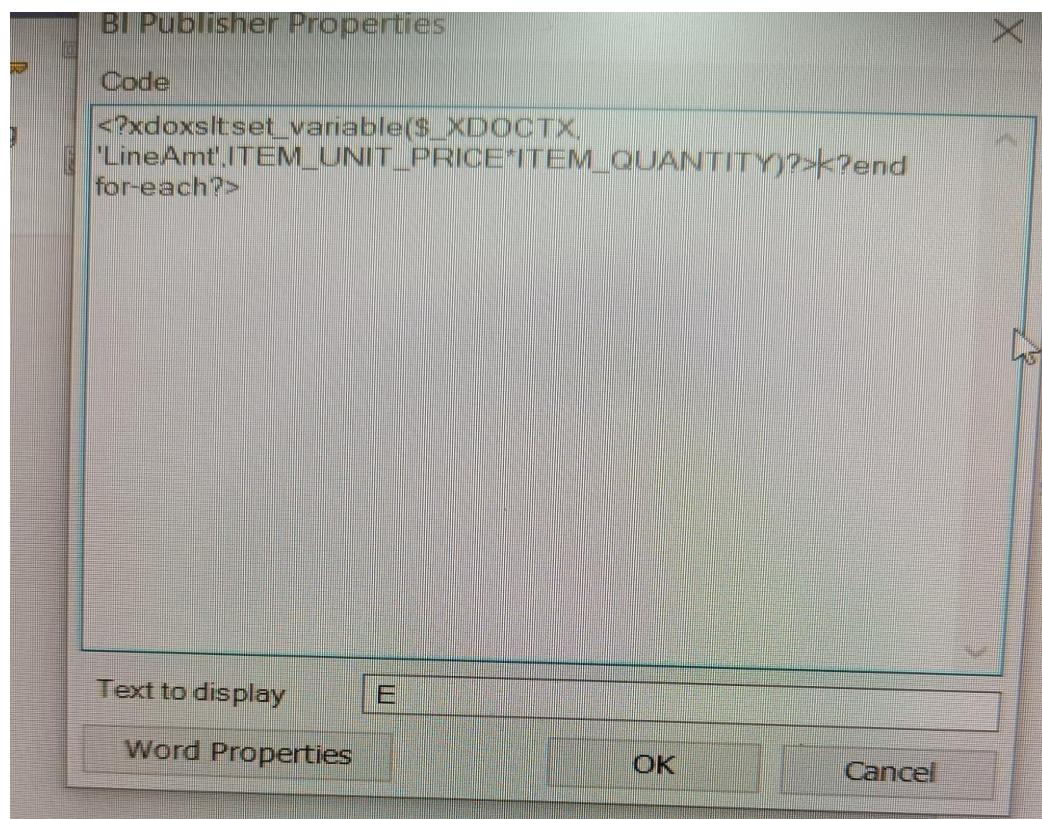
Purchase Order Report

	55114
	Open PO
	STANDARD
NUMBER	1272
NAME	Consolidated Supplies

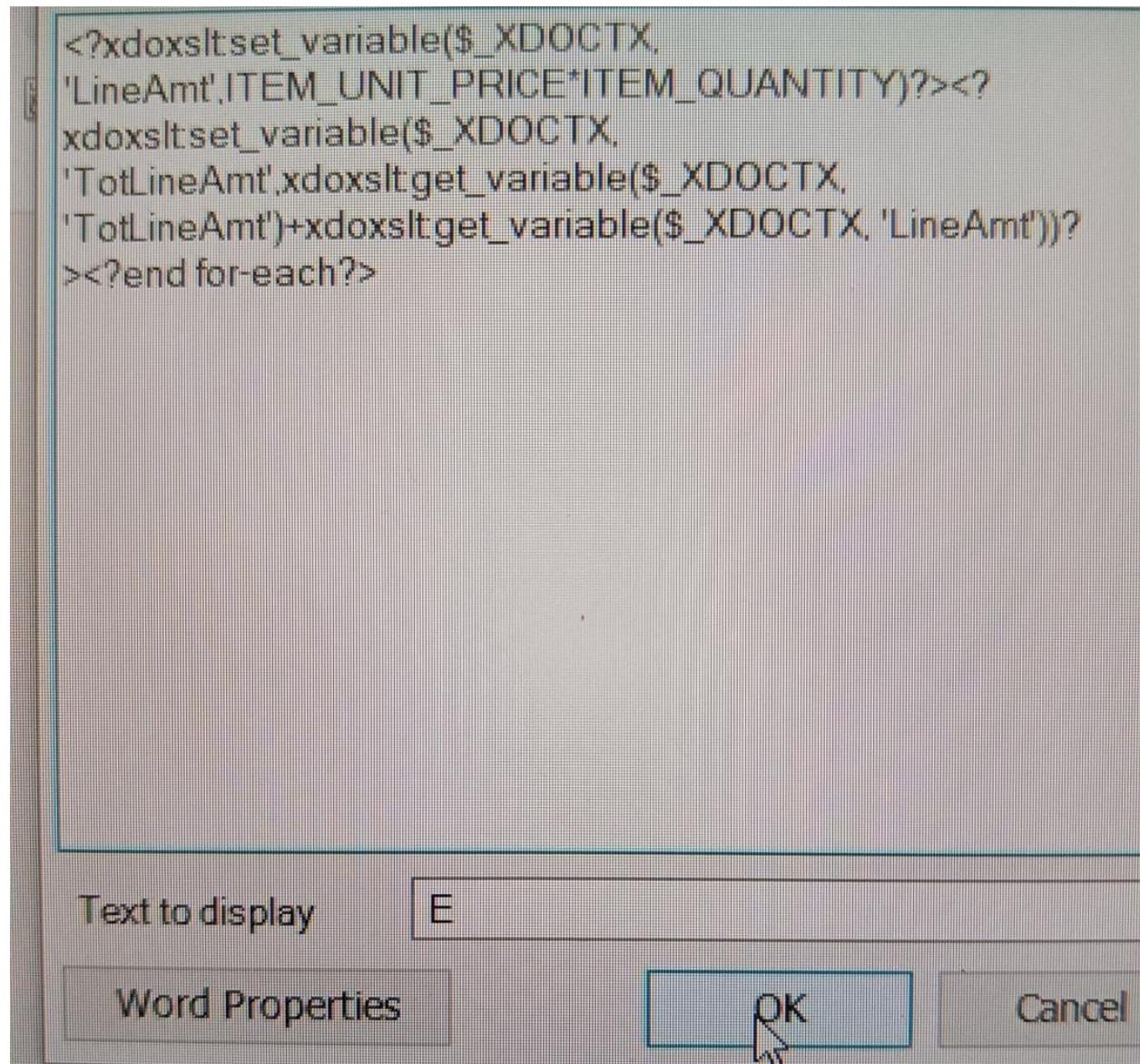
LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	Line Amount
EN	T55945	zzu	129	2	258

CALCULATE SUM OF ALL LINE AMOUNT IN EACH PO-NUMBER USING SET-VARIABLE:

CLICK END LOOP(E)> <?XDOXSLT:SET_VARIABLE('variable_name', 'expression')?>



CREATE ANOTHER VARIABLE TO SAVE THE AMOUNT FROM EACH LINE I.E TOTLINEAMT



NOW ADD ANOTHER ROW IN OUR TABLE TO PRINT ABOVE VARIABLE 'TOTLINEAMT':

BI Publisher Properties

Properties Advanced

General

Data Field: ITEM_QUANTITY
Text to display: TOTAL_LINE_AMT

Formatting

Type: Regular Text
Format: Force LTR

Data Aggregation

Function:
Scope: Normal

Word Properties OK Cancel

Purchase Order Report

for-each G_1

PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

+ PO_LINE_NUM PO_LINE_STATUS PO_ITEM ITEM_UOM ITEM_UNIT_PRICE ITEM_QUANTITY Line Amount
F PO_LINE_NUM PO_LINE_STATUS PO_ITEM ITEM_UOM ITEM_UNIT PRICE ITEM QUANTITY LINE AMOUNT
PO_LINE_NUM Total Line Amount ITEM QUANTITY

end G_1

BI Publisher Properties

Properties Advanced

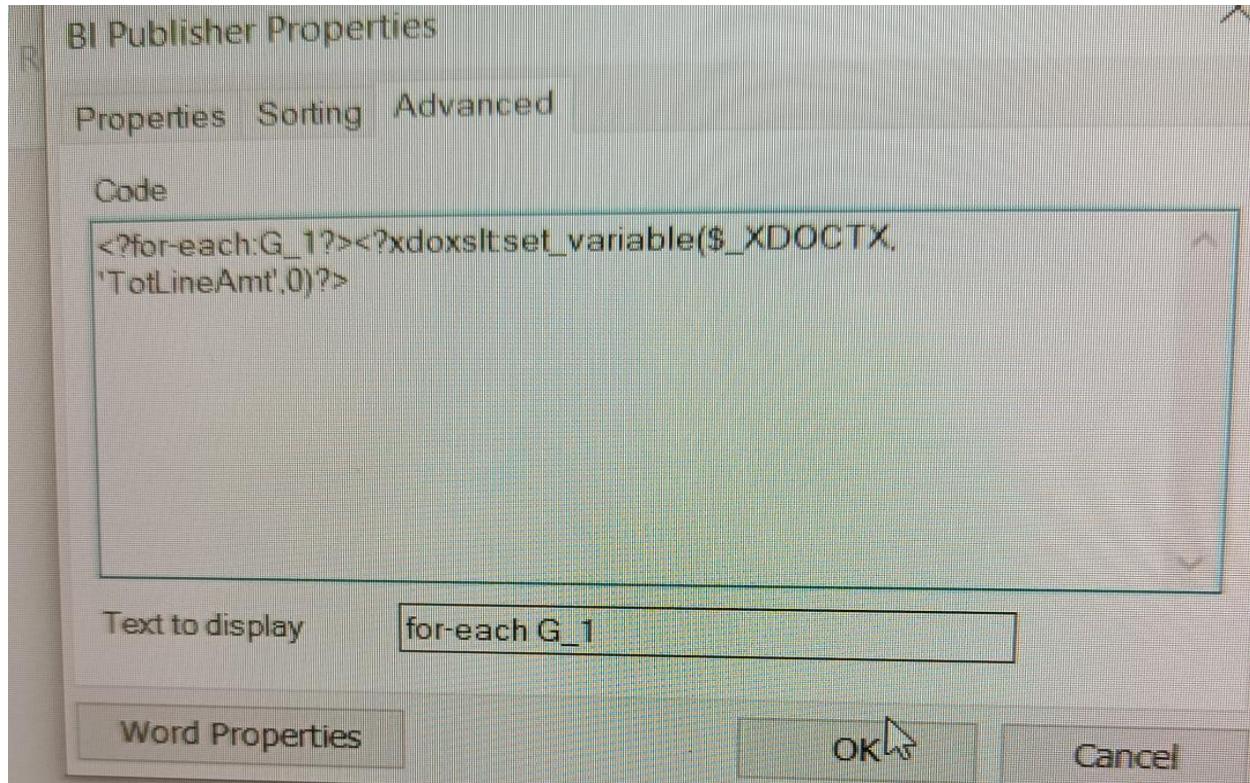
Code

```
<?xdoxslt:get_variable($_XDOCTX, 'TotLineAmt')?>
```

Word Properties OK Cancel

NOW ONCE LOOP ON ONE PO_NUMBER IS OVER ABOVE VARIABLE SHOULD GET ZERO:

CLICK FOR-EACH G_1>



The screenshot shows a 'Purchase Order Report' generated by BI Publisher. The report includes a header with the date '04 NOV 2021 01:46' and a logo for 'ARPENSKILL.COM'. The main content consists of two tables: a summary table and a detailed line item table.

Summary Table Data:

PO_NUMBER	55114
PO_STATUS	Open PO
PO_TYPE	STANDARD
SUPPLIER_NUMBER	1272
SUPPLIER_NAME	Consolidated Supplies

Detailed Line Item Table Data:

PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	Line Amount
1	OPEN	T55945	zzu	129	2	258
					Total Line Amount	258

ANOTHER E.G.

Create RTF Template

RTF Temp... 87163596... 11163596... 99163596... 48163596... 78163596... 52163596... 88163597... 92163597...

2 / 103 137%

		(7")				
5	OPEN	Integrated Leather Case	zzu	18	30	540
6	OPEN	Integrated Leather Case	zzu	18	30	540
8	OPEN	Screen Protector for 7" Tab	zzu	8	30	240
7	OPEN	Screen Protector for 7" Tab	zzu	8	30	240
					Total Line Amount	2520

SHOW TOTAL LINE AMOUNT IN WORDS USING ToCheckNumber:

ADD ANOTHER ROW>

MON YYYY HH24:MI')?>

Purchase Order Report

for-each G_1

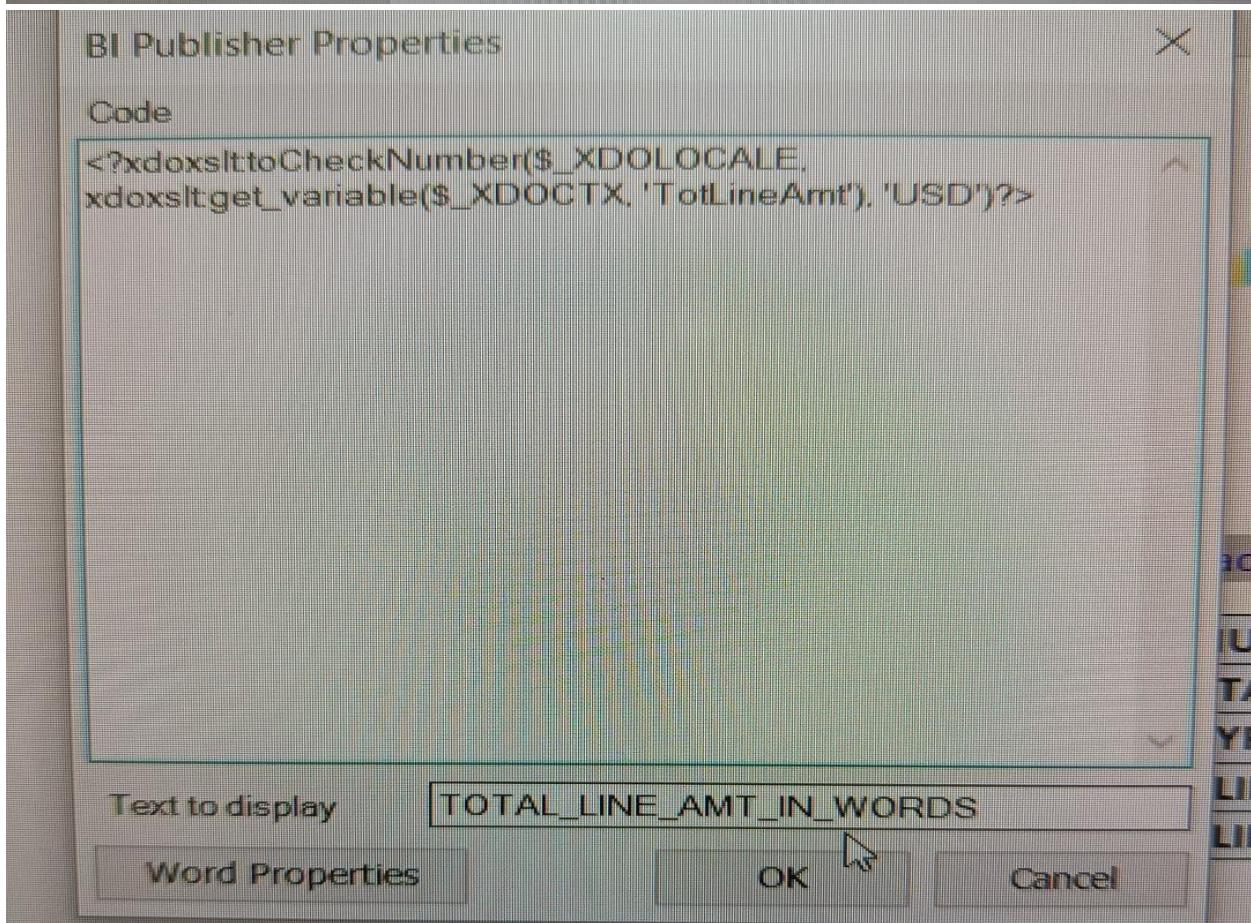
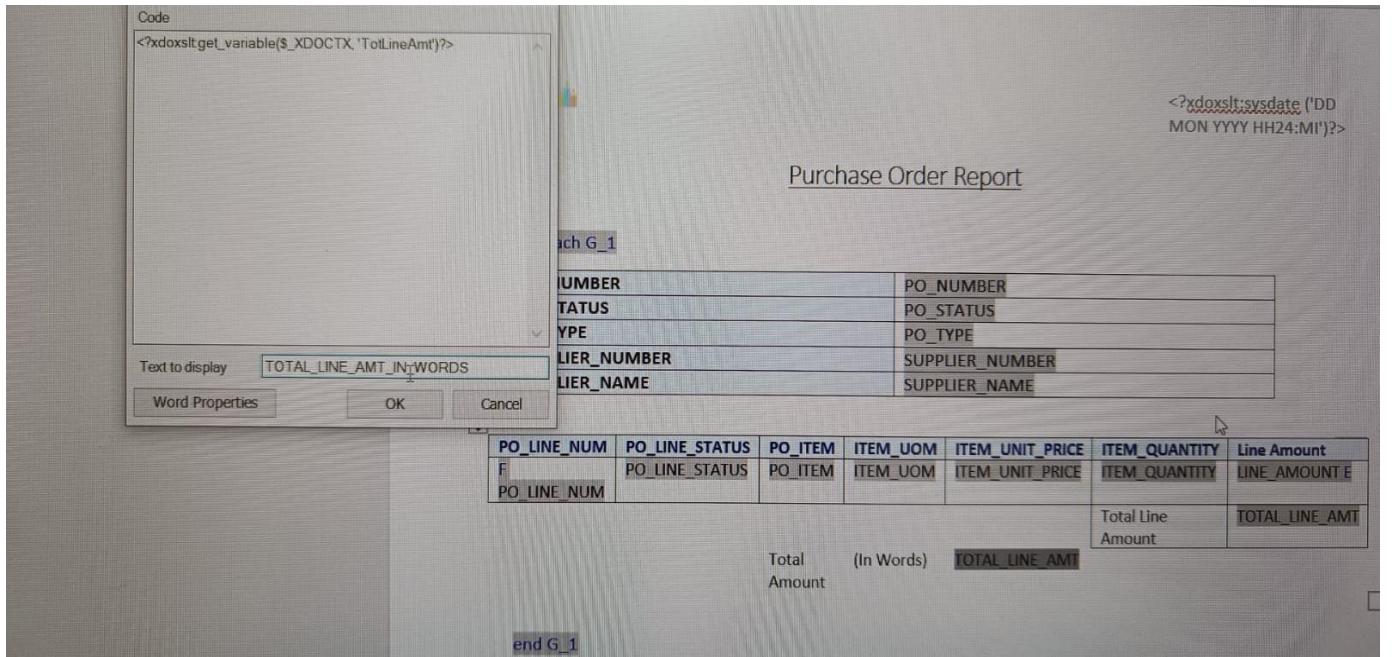
PO_NUMBER	PO_NUMBER
PO_STATUS	PO_STATUS
PO_TYPE	PO_TYPE
SUPPLIER_NUMBER	SUPPLIER_NUMBER
SUPPLIER_NAME	SUPPLIER_NAME

PO_LINE_NUM	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	Line Amount
F	PO_LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	LINE_AMT
PO_LINE_NUM						Total Line Amount
		Total Amount	(In Words)			TOTAL_LINE_AMT

I

end G_1

REMOVE THE BORDERS>



NOW MERGE 3 CELLS TO FORMAT IT WELL.

Purchase Order Report

	PO_NUMBER
	PO_STATUS
	PO_TYPE
PLIER	SUPPLIER_NUMBER
	SUPPLIER_NAME

LINE_STATUS PO_ITEM ITEM_UOM ITEM_UNIT_PRICE ITEM_QUANTITY Line A
LINE_STATUS PO_ITEM ITEM_UOM ITEM_UNIT_PRICE ITEM_QUANTITY LINE_A

Total Amount (In Words) TOTAL_LINE_AMT_IN_WORDS Total Line Amount TOTAL

Calibri (Body) 10 A A B I = A Z A New Comment

	55114
	Open PO
	STANDARD
ER	1272
	Consolidated Supplies

LINE_STATUS	PO_ITEM	ITEM_UOM	ITEM_UNIT_PRICE	ITEM_QUANTITY	Line Amount
	T55945	zzu	129	2	258
Total Amount (In Words)					Two hundred fifty-eight and xx/100
					Total Line Amount 258

NOW WE CAN CREATE REPORT.