

## DYNAMIC COLUMNS IN XML REPORTS:

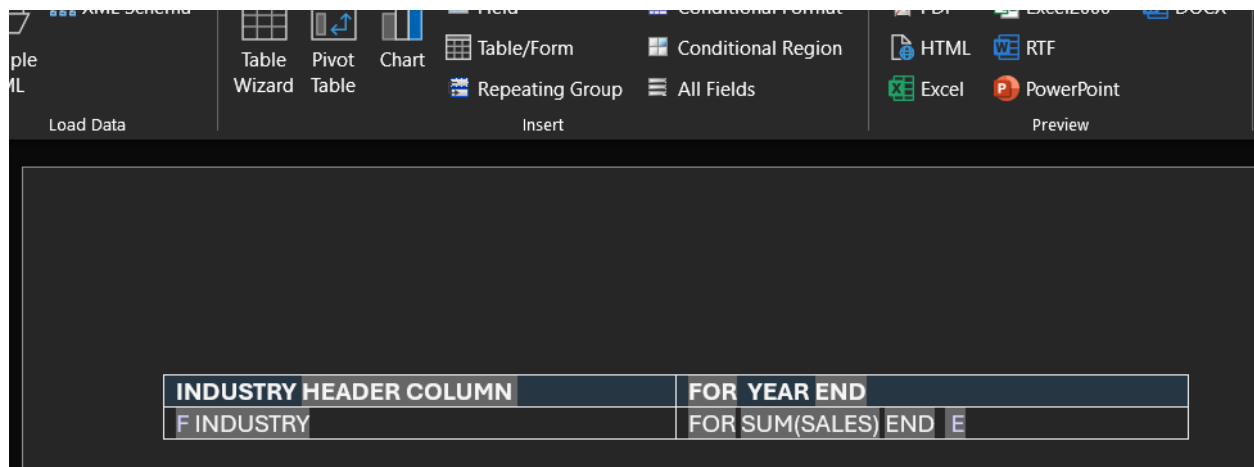
Dynamic columns in XML reports refer to the ability to adjust the number and content of columns in a report based on the data available in the XML source. E.g.

Single-level grouping refers to grouping data by a single attribute or field within the dataset.

Multi-level grouping involves grouping data by multiple attributes, usually in a hierarchical manner.

## YEARLY SALES RESULT OF DIFFERENT SECTORS:

IN BELOW EXAMPLE WE ARE HAVING ONLY TWO COLUMNS IN (.RTF) BUT FOR EACH INDUSTRY, INFO OF NEW YEAR WITH SALES RECORD IS ADDED DYNAMICALLY.



INDUSTRY	FOR YEAR END
F INDUSTRY	FOR SUM(SALES) END E

Industry	2005	2004	2003
Motor Vehicle Dealers	3000	6000	2500
Home Furnishings	1200		1500

ONKAR\_DYNAMIC\_COLUMNS\_XML.xml

```

1 <ROWSET>
2   <RESULTS>
3     <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
4     <YEAR>2005</YEAR>
5     <QUARTER>Q2</QUARTER>
6     <SALES>2000</SALES>
7   </RESULTS>
8   <RESULTS>
9     <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
10    <YEAR>2004</YEAR>
11    <QUARTER>Q1</QUARTER>
12    <SALES>3000</SALES>
13  </RESULTS>
14  <RESULTS>
15    <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
16    <YEAR>2004</YEAR>
17    <QUARTER>Q2</QUARTER>
18    <SALES>3000</SALES>
19  </RESULTS>
20  <RESULTS>
21    <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
22    <YEAR>2003</YEAR>
23    <QUARTER>Q1</QUARTER>
24    <SALES>2500</SALES>
25  </RESULTS>
26  <RESULTS>
27    <INDUSTRY>Home Furnishings</INDUSTRY>
28    <YEAR>2005</YEAR>
29    <QUARTER>Q1</QUARTER>
30    <SALES>1200</SALES>
31  </RESULTS>
32  <RESULTS>
33    <INDUSTRY>Home Furnishings</INDUSTRY>
34    <YEAR>2003</YEAR>
35    <QUARTER>Q1</QUARTER>
36    <SALES>1500</SALES>
37  </RESULTS>
38  <RESULTS>
39    <INDUSTRY>Home Furnishings</INDUSTRY>
40    <YEAR>2017</YEAR>
41    <QUARTER>Q1</QUARTER>
42    <SALES>9500</SALES>
43  </RESULTS>
44  </RESULTS>

```

Table Wizard

Which fields do you want to show in your report?

INDUSTRY  
YEAR  
QUARTER  
SALES

>  
>>  
<  
<<

INDUSTRY  
YEAR

^  
v

Running Total

CancelBackNextFinish

ma

Table WizardPivot TableChartFieldConditional FormatTable/FormConditional RegionRepeating GroupAll Fields

PDFExcel2000DOCXHTMLRTFExcelPowerPoint

Field Browser

INDUSTRY	Y
F INDUSTRY	Y

Field

FindFind Next

ROWSET

RESULTS

INDUSTRY

YEAR

QUARTER

SALES

Example

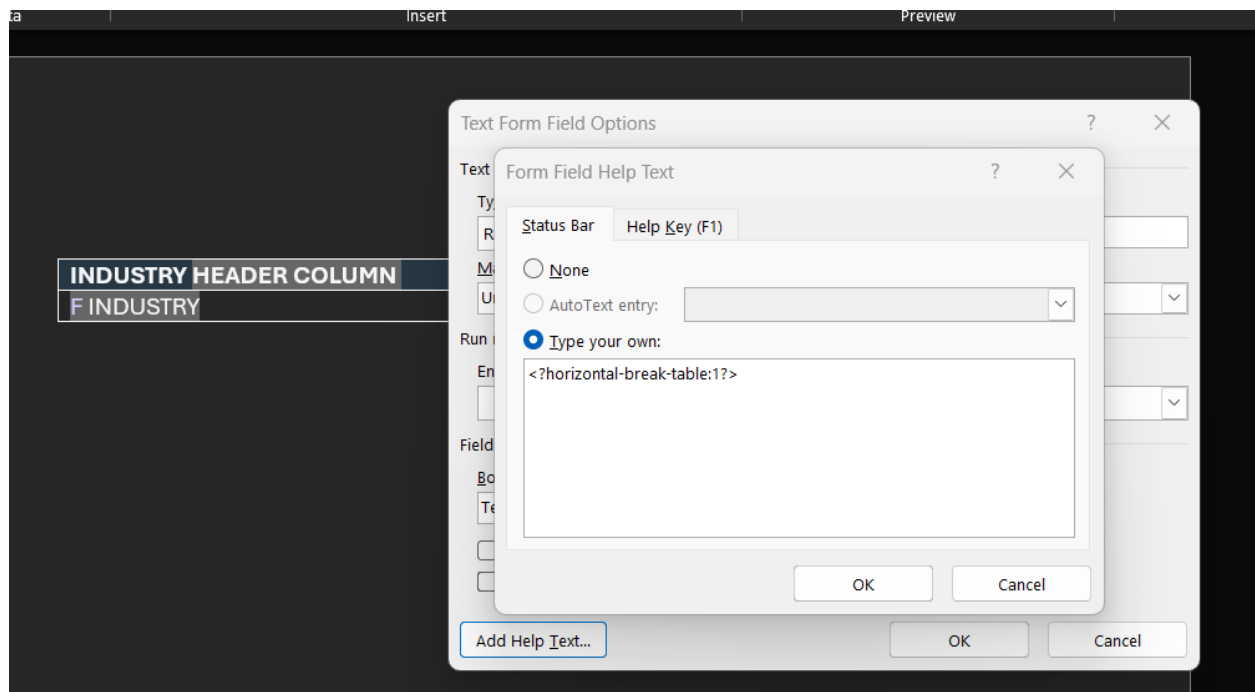
CalculationOn Grouping

Force LTR Direction

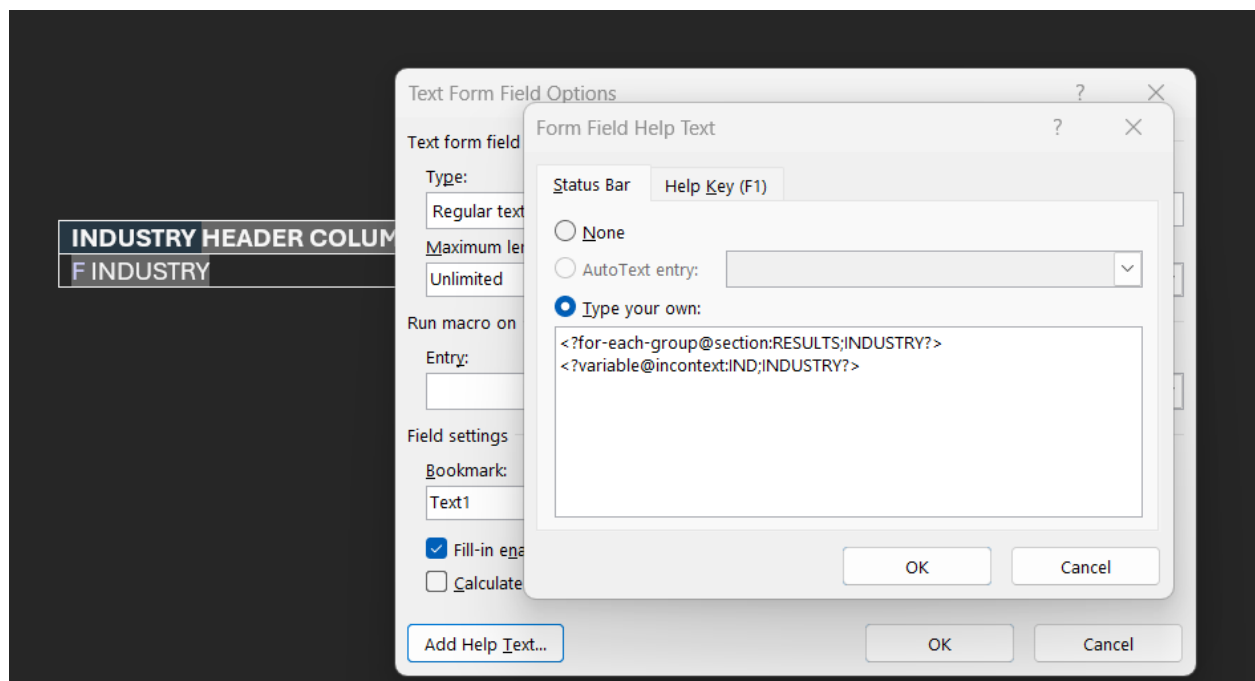
InsertCloseHelp

CLICK Field > INDUSTRY > INSERT

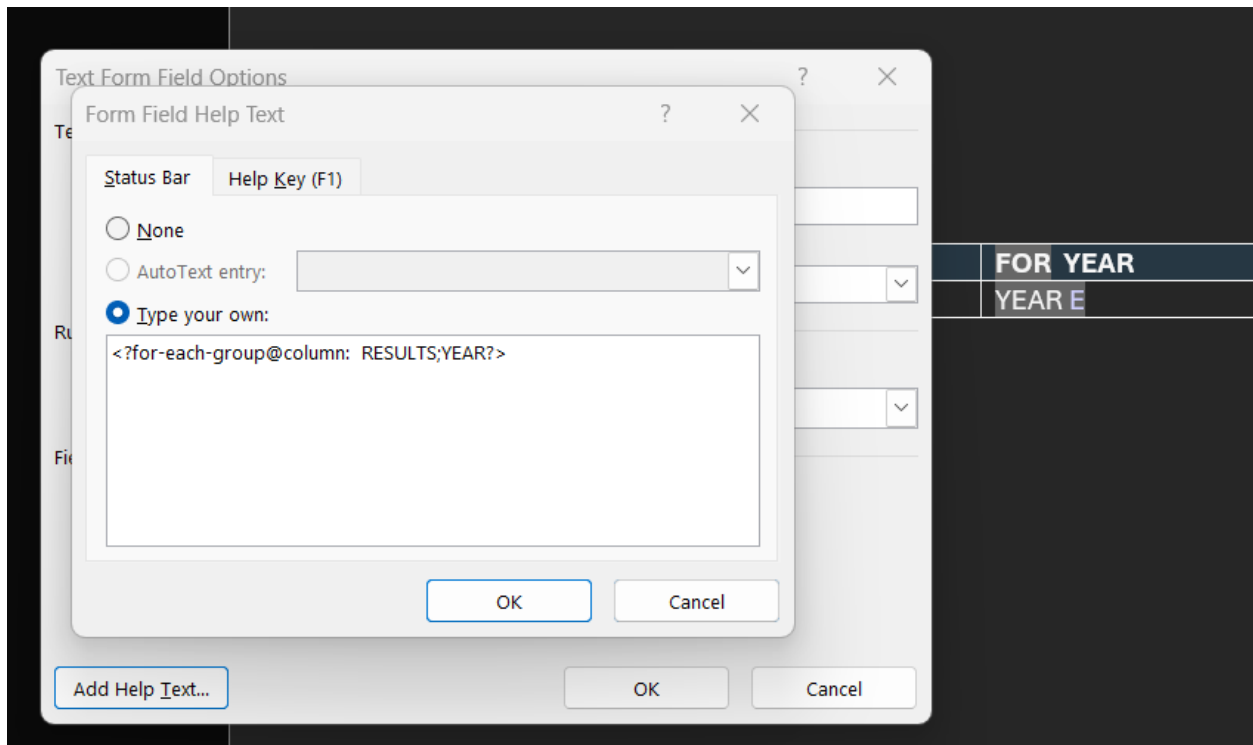
CLICK ON FIELD > INSERT > NAME IT AS 'HEADER COLUMN' > INSERT THE BELOW CODE.



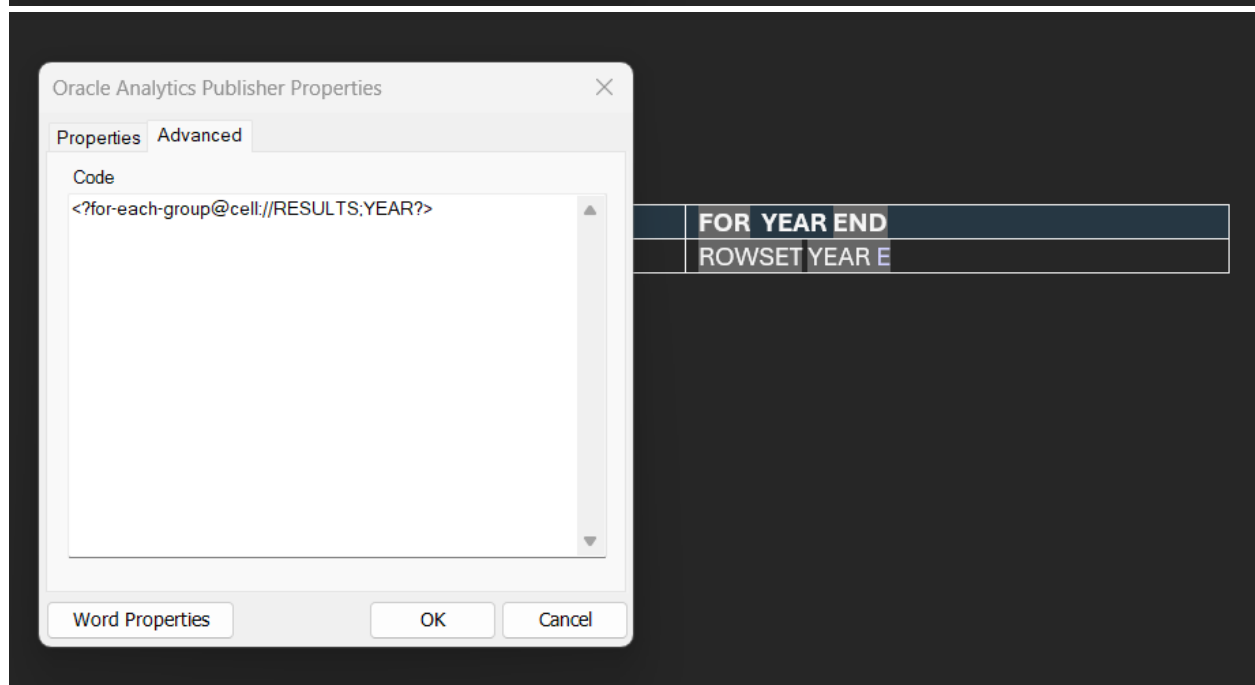
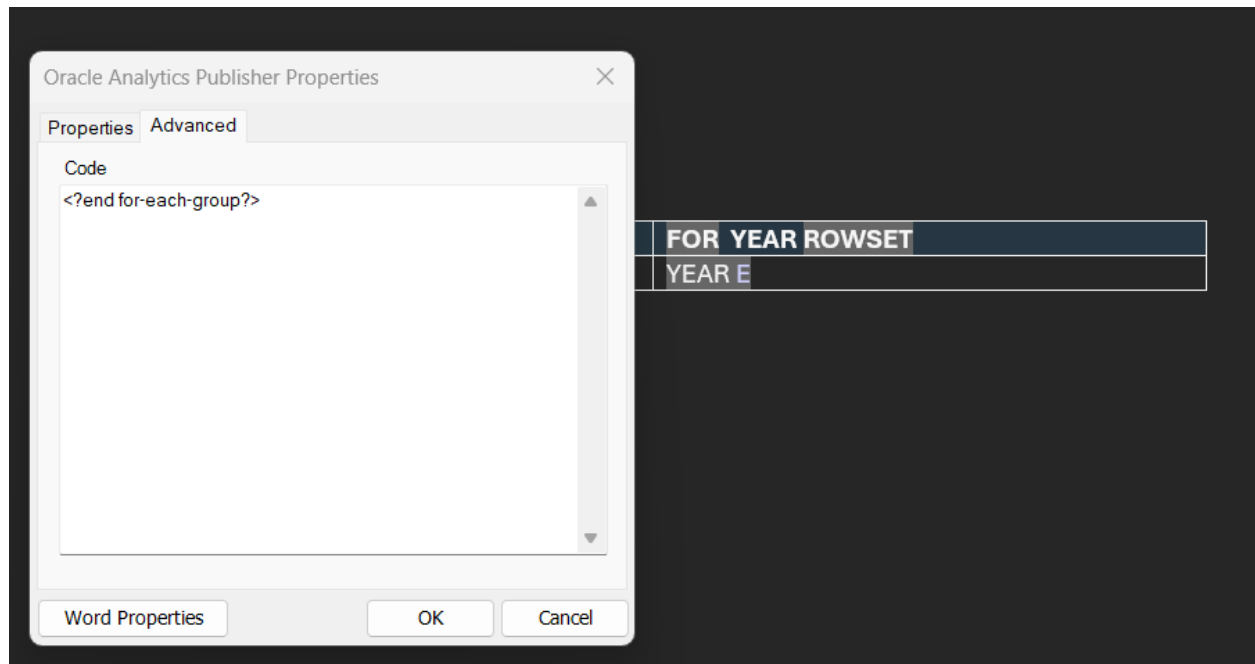
APPLYING LOOP ON 'RESULTS' (FROM ABOVE .XML) IN WHICH COLUMN 'INDUSTRY' AND IN VARIABLE 'IND 'SAVE THE VALUES OF INDUSTRY TO PERFORM OPERATIONS LIKE SUM,AVG ETC.. [FIRST GROUP THE VALUES OF INDUSTRIES AT SECTION(ROW) LEVEL THEN GROUP THE VALUES OF YEAR ON COLUMN LEVEL] . (F) ==>



'FOR' ==>



ALSO, FIELD > INSERT > NAME IT AS YEAR > CHOOSE YEAR VALUE IN HEADER 'YEAR'.



Oracle Analytics Publisher Properties

Properties

Advanced

Code

<?end-for-each-group?>

Word Properties

OK

Cancel

FOR YEAR END

FOR YEAR END E

Oracle Analytics Publisher Properties

Properties

Advanced

Code

<?if.count(current-group()[INDUSTRY=\$IND])?> <?sum  
(current-group()[INDUSTRY=\$IND]/SALES)?> <?end if?>

Word Properties

OK

Cancel

FOR YEAR END

FOR SUM(SALES) END E

## OUTPUT :

	A	B	C	D	E	F
INDUSTRY		2005	2004	2003	2017	2018
Motor Vehicle Dealers		2000	9000	2500		
Home Furnishings		1200		1500	9500	6895
FMCG						4100

## PIVOT TABLE IN EXCEL SHEET:

	A	B	C	D	E	F	G	H
1	Item	Quarter	Year	SalesCount				
2	A1	Q1	2017	150				
3	A1	Q2	2017	250				
4	A1	Q3	2017	350				
5	A1	Q4	2017	100				
6	B1	Q1	2017	650				
7	B1	Q2	2017	350				
8	B1	Q3	2017	320				
9	B1	Q4	2017	900				
10								
11								
12								
13								

INSERT>PIVOT TABLE>PIVOT TABLE>

	A	B	C	D	E	F	G	H	I	J	K
1	Item	Quarter	Year	SalesCount							
2	A1	Q1	2017	150							
3	A1	Q2	2017	250							
4	A1	Q3	2017	350							
5	A1	Q4	2017	100							
6	B1	Q1	2017	650							
7	B1	Q2	2017	350							
8	B1	Q3	2017	320							
9	B1	Q4	2017	900							
10											
11											
12											
13											

PivotTable from table or range

Select a table or range

Table/Range: Sheet1!\$A\$1:\$D\$9

Choose where you want the PivotTable to be placed

☐ New Worksheet
 ☒ Existing Worksheet

Location: Sheet1!\$E\$5

Choose whether you want to analyze multiple tables

☐ Add this data to the Data Model

OK

Cancel

**NOW PIVOT TABLE HAS READ OUR DATA AND NOW WE HAVE TO DECIDE WHERE WE WANT TO SHOW ROW AND COLUMNS AND DO GROUPING:**



PivotTable

Active Field

Group

Filter

Data

Actions

Calculations

Tools

Show

6

Item

Quarter

Year

SalesCount

A1 Q1 2017 150

A1 Q2 2017 250

A1 Q3 2017 350

A1 Q4 2017 100

B1 Q1 2017 650

B1 Q2 2017 350

B1 Q3 2017 320

B1 Q4 2017 900

PivotTable1

To build a report, choose fields from the PivotTable Field List

PivotTable Fields

Choose fields to add to report:

Search

Item

Quarter

Year

SalesCount

More Tables...

Drag fields between areas below:

Filters

Columns

Rows

Values

Defer Layout Up...

Update

Sheet1

Sum of SalesCount	Column Labels				
Row Labels	Q1	Q2	Q3	Q4	Grand Total
2017	800	600	670	1000	3070
Grand Total	800	600	670	1000	3070

Search

Item

Quarter

Year

SalesCount

More Tables...

Drag fields between areas below:

Filters

Columns

Rows

Values

Year

Quarter

Sum of Sal...

Sum of SalesCount	Column Labels	
Row Labels	2017	Grand Total
Q1	800	800
Q2	600	600
Q3	670	670
Q4	1000	1000
Grand Total	3070	3070

Search

Item

Quarter

Year

SalesCount

More Tables...

Drag fields between areas below:

Filters

Columns

Rows

Values

Quarter

Year

Sum of SalesCou...

## **PIVOT CHART IN EXCEL SHEET:**

INSERT>PIVOT CHART>PIVOT CHART

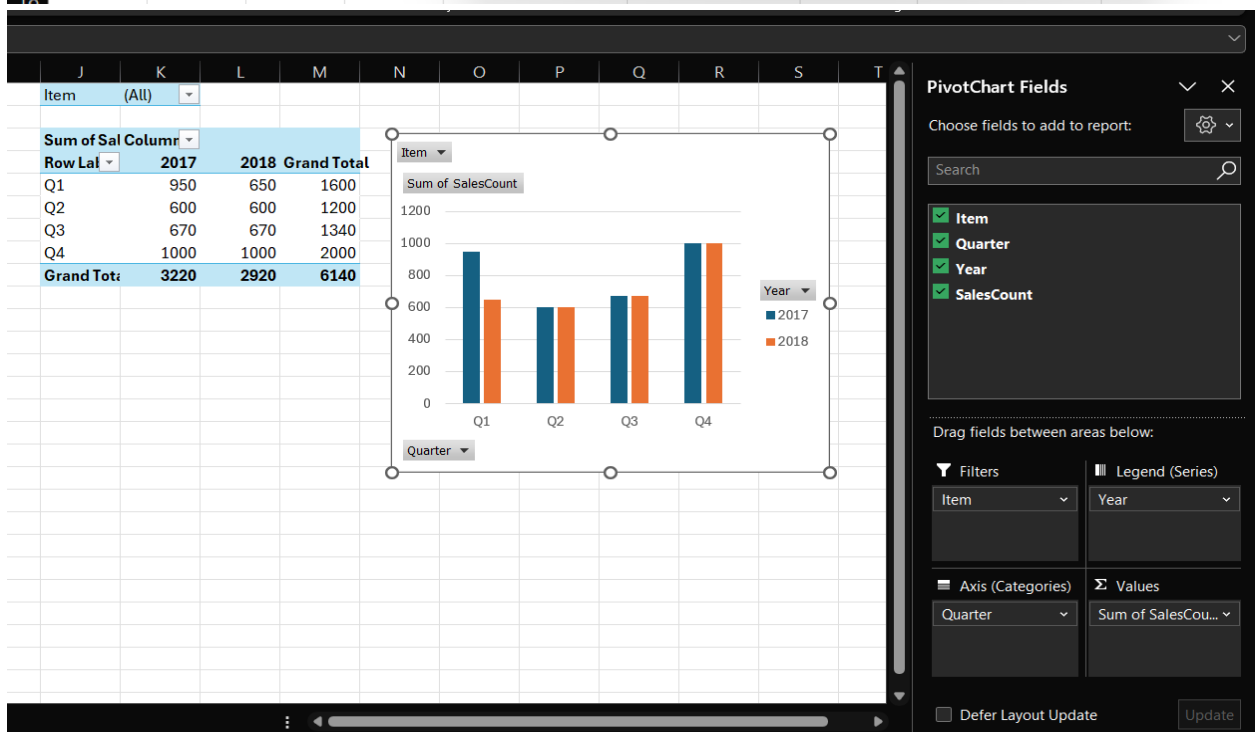
Excel interface showing the 'Create PivotTable' dialog box. The dialog is open over a worksheet with the following data:

Item	Quarter	Year	SalesCount
A1	Q1	2017	150
A1	Q2	2017	250
A1	Q3	2017	350
A1	Q4	2017	100
B1	Q1	2017	650
B1	Q2	2017	350
B1	Q3	2017	320
B1	Q4	2017	900
A1	Q1	2018	150
A1	Q2	2018	250
A1	Q3	2018	350
A1	Q4	2018	100
B1	Q1	2018	650
B1	Q2	2018	350
B1	Q3	2018	320
B1	Q4	2018	900

The 'Create PivotTable' dialog box is configured as follows:

- Choose the data that you want to analyze:**
  - ☒ Select a table or range
  - Table/Range: Sheet1!\$A\$1:\$D\$17
  - ☐ Use an external data source
  - ☐ Use this workbook's Data Model
- Choose where you want the PivotTable to be placed:**
  - ☒ New Worksheet
  - ☐ Existing Worksheet
  - Location: (empty)
- Choose whether you want to analyze multiple tables:**
  - ☐ Add this data to the Data Model

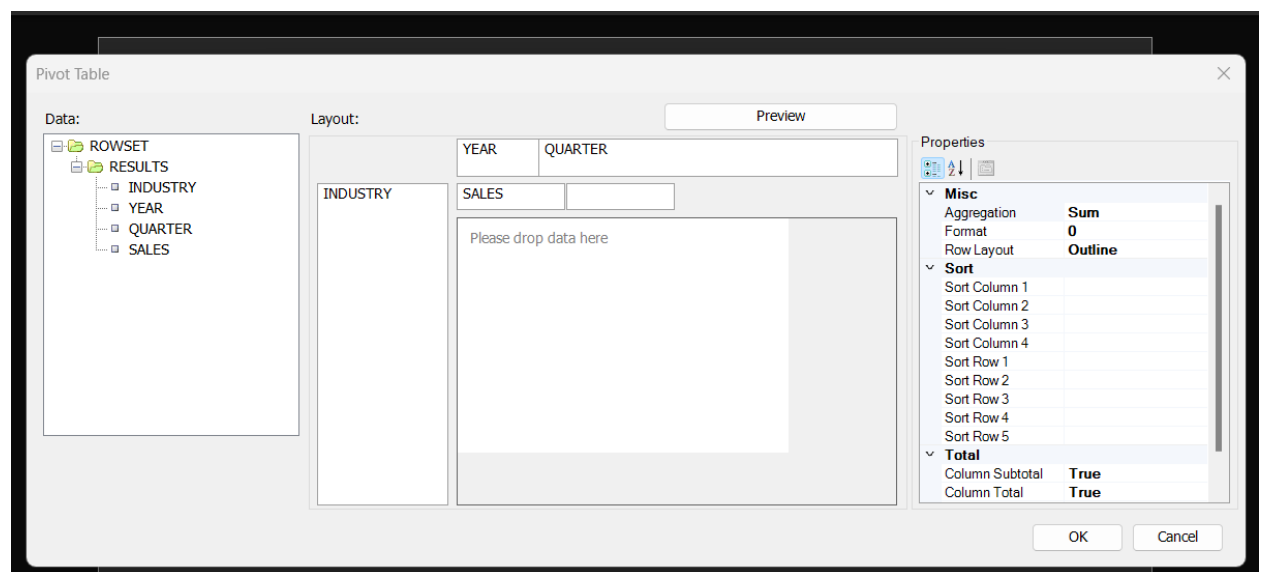
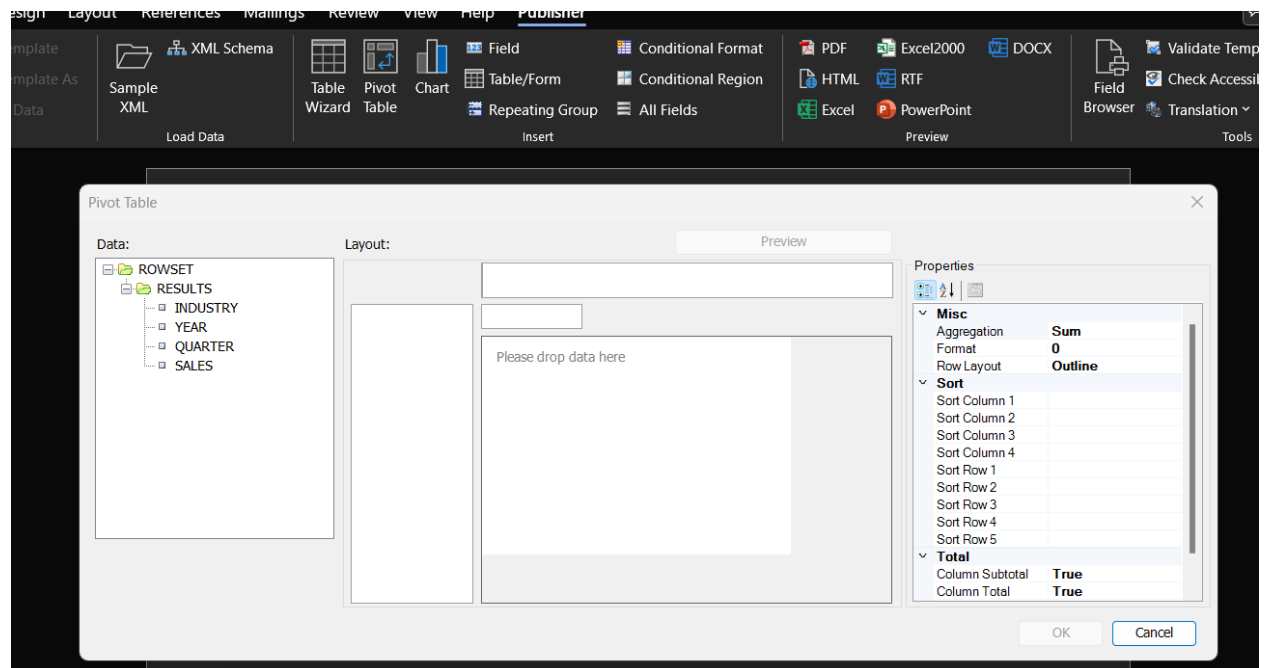
Buttons: OK, Cancel



**NOW WE WANT TO CREATE PIVOT TABLE USING .RTF FILE IN TEMPLATE:**

```
file edit search view encoding language settings tools macro run plugins window
ONKAR_PIVOT_TABLE_XML.xml
1 <ROWSET>
2   <RESULTS>
3     <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
4     <YEAR>2005</YEAR>
5     <QUARTER>Q1</QUARTER>
6     <SALES>1000</SALES>
7   </RESULTS>
8   <RESULTS>
9     <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
10    <YEAR>2005</YEAR>
11    <QUARTER>Q2</QUARTER>
12    <SALES>2000</SALES>
13  </RESULTS>
14  <RESULTS>
15    <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
16    <YEAR>2004</YEAR>
17    <QUARTER>Q1</QUARTER>
18    <SALES>3000</SALES>
19  </RESULTS>
20  <RESULTS>
21    <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
22    <YEAR>2004</YEAR>
23    <QUARTER>Q2</QUARTER>
24    <SALES>3000</SALES>
25  </RESULTS>
26  <RESULTS>
27    <INDUSTRY>Motor Vehicle Dealers</INDUSTRY>
28    <YEAR>2003</YEAR>
29    <QUARTER>Q1</QUARTER>
30    <SALES>2500</SALES>
31  </RESULTS>
32
33  <RESULTS>
34    <INDUSTRY>Home Furnishings</INDUSTRY>
35    <YEAR>2005</YEAR>
36    <QUARTER>Q1</QUARTER>
37    <SALES>1200</SALES>
38  </RESULTS>
39  <RESULTS>
40    <INDUSTRY>Home Furnishings</INDUSTRY>
41    <YEAR>2003</YEAR>
42    <QUARTER>Q1</QUARTER>
43    <SALES>1500</SALES>
44  </RESULTS>
```

CLICK PUBLISHER > PIVOT TABLE



Sample XML

Load Data

XML Schema

Table Wizard

Pivot Table

Chart

Field

Table/Form

Repeating Group

Conditional Format

Conditional Region

All Fields

PDF

Excel2000

DOCX

HTML

RTF

Excel

PowerPoint

Preview

C H ACC	G YEARNCE	Total
	G G QUARTERE	
G INDUSTRY	G G 999E	999E
	G G 999E	999

Sample XML

Load Data

XML Schema

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Chart

Field

Table/Form

Repeating Group

Conditional Format

Conditional Region

All Fields

PDF

Excel2000

DOCX

HTML

RTF

Excel


PowerPoint

Field Browser

C H ACC YEAR	G YEARNCE	Total
INDUSTRY	G G QUARTERE	
G INDUSTRY	G G 999E	999E
	G G 999E	999

Templates **Data Definitions** Administration

Data Definitions >

 **Confirmation**

Data Definition ONKAR\_PIVOT\_TABLE\_DD has been successfully updated.

**View Data Definition: ONKAR\_PIVOT\_TABLE\_DD**

---

**General**

Name	ONKAR_PIVOT_TABLE_DD	Code	ONKAR_PIVOT_TABLE	<a href="#">Update</a>	<a href="#">Edit Configuration</a>
Application	Application Object Library	Start Date	05-Nov-2024		
End Date					
Description	<div></div>				

---

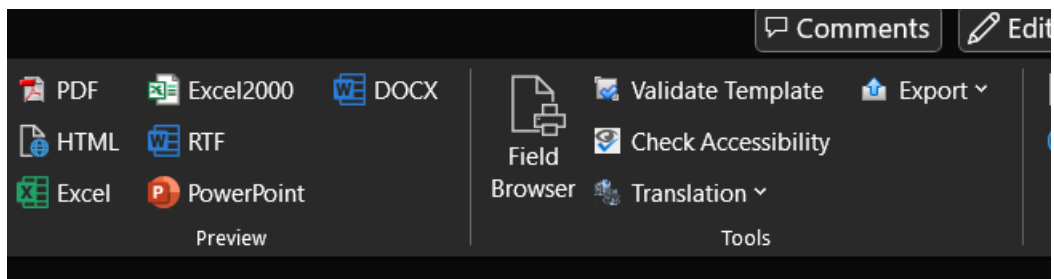
**Files**

XML Schema	<a href="#">Add File</a>
Data Template	<a href="#">ONKAR_PIVOT_TABLE_XML.xml</a> <a href="#">Update File</a>
Preview Data	<a href="#">Add File</a>
Bursting Control File	<a href="#">Add File</a>

[Return to Data Definitions](#)

**DON'T REGISTER TEMPLATE FILE IN RTF FORMAT IN 'XML PUBLISHER TEMPLATES'  
INSTED USE XSL-FO STYLE SHEET FORMAT.**

**GO TO PUBLISHER > TOOLS > EXPORT > XSL-FO SHEET**



```
1 <?xml version = '1.0' encoding = 'utf-8'?>
2 <!--Generated by Oracle Analytics Publisher-->
3 <!--xslt1.0-compatibility-->
4 <xsl:stylesheet version="2.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform" xmlns:fo="http://www.w3.org/
5 <xsl:param name="_XDOCALENDAR">GREGORIAN</xsl:param>
6 <xsl:param name="_XDOLOCALE">en-us</xsl:param>
7 <xsl:param name="_XDOTIMEZONE">GMT</xsl:param>
8 <xsl:param name="_XDODFOVERRIDE"></xsl:param>
9 <xsl:param name="_XDOCURMASKS"></xsl:param>
10 <xsl:param name="_XDONFSEPARATORS"></xsl:param>
11 <xsl:param name="_XDOCHARTTYPE">image/svg+xml</xsl:param>
12 <xsl:param name="_XDOOUTPUTFORMAT">application/pdf</xsl:param>
13 <xsl:param name="_XDOSVGFONTSEMBED">true</xsl:param>
14 <xsl:param name="_XDODEFDATE"/>
15 <xsl:param name="_XDODEFTIME"/>
16 <xsl:param name="_XDODEFNUM"/>
17 <xsl:param name="_XDODEFCC"/>
18 <xsl:param name="_XDOCTX">#</xsl:param>
19 <xsl:variable name="_XDOXSLTCTX" select="xdoxslt:set_xslt_locale($_XDOCTX, $_XDOLOCALE, $_XDOTIMEZONE, $
20 <xsl:variable name="titlevar" select="'RTF Template'" xdofo:tobetranlated="true"/>
21 <xsl:variable name="_XDOFOPOS" select="''"/>
22 <xsl:variable name="_XDOFOPOS2" select="number(1)"/>
23 <xsl:variable name="_XDOFOTOTAL" select="number(1)"/>
24 <xsl:variable name="_XDOFOOSTOTAL" select="number(0)"/>
25 <xsl:template match="/">
26 <fo:root xdofo:nf-separator="{$_XDONFSEPARATORS}">
27 <fo:layout-master-set>
28 <fo:simple-page-master master-name="master0" margin-left="66.6pt" margin-right="66.6pt" page-he
29 <fo:region-before region-name="region-header" extent="36.0pt"/>
30 <fo:region-body region-name="region-body" margin-top="36.0pt" margin-bottom="36.0pt"/>
31 <fo:region-after region-name="region-footer" extent="36.0pt" display-align="after"/>
32 </fo:simple-page-master>
33 </fo:layout-master-set>
34 <fo:page-sequence master-reference="master0">
35 <fo:title>
36 <xsl:value-of select="xdoxslt:one($titlevar)" xdofo:field-name="$titlevar"/>
37 </fo:title>
38 <xsl:variable name="_PW" select="number(612.0)" xdofo:alt="internal"/>
39 <xsl:variable name="_PH" select="number(792.0)" xdofo:alt="internal"/>
```

Confirmation

Template ONKAR\_PIVOT\_TABLE\_TEMPLATE has been successfully created

View Template: ONKAR\_PIVOT\_TABLE\_TEMPLATE

General

Name	ONKAR_PIVOT_TABLE_TEMPLATE	Code	ONKAR_PIVOT_TABLE_TEMPLATE	Update	Edit Configuration
Application	Application Object Library	Data Definition	ONKAR_PIVOT_TABLE_DD		
Type	XSL-FO	Start Date	05-Nov-2024		
Default File	ONKAR_FINAL.XSL	End Date			
Default File Language	English	Subtemplate	No		
Default File Territory		Default Output Type	HTML		
Description					

Template Files

Preview Format PDF Add File

Localized Templates

File Name	Language	Territory	Preview	Download	Update	Delete
ONKAR_FINAL.XSL	English					