

Scenario - simpler smart form which displays the PO header and Item level details.

- 1) Go to smartforms tcode and give the name of the smartform that is to be created.

## SAP Smart Forms: Initial Screen

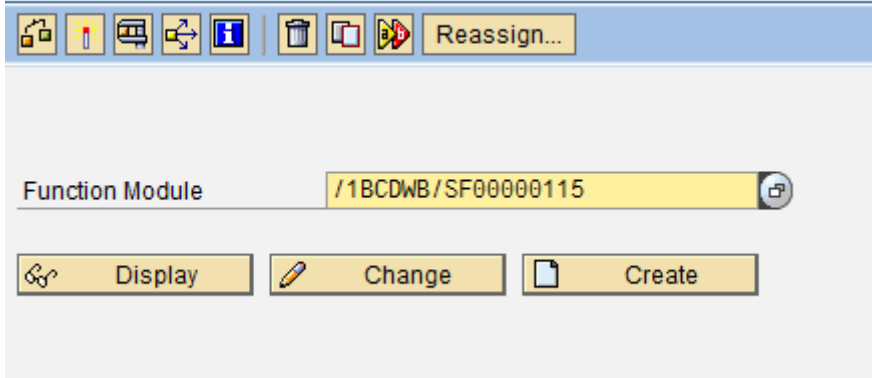
The screenshot shows the SAP Smart Forms initial screen. At the top, there are four icons: a folder, a right-pointing arrow, a trash can, and a printer. Below these icons, there are three input fields: 'Form' with the value 'z\_sf\_Purchorder', 'Style', and 'Text Module'. Below the input fields, there are three buttons: 'Display', 'Change', and 'Create'. At the bottom, there is a link labeled 'Smart Forms Homepage'.

- 2) Save it after giving it a meaningful name.

The screenshot shows the SAP Smart Forms 'Create Object Directory Entry' dialog box. The 'Object' field contains 'R3TR|SSF0|Z\_SF\_PURCHORDER'. The 'Package' field is highlighted. The 'Person Responsible' field contains 'INVNAY'. The 'Original System' field contains 'S49'. The 'Original language' field contains 'EN|English'. The dialog box has buttons for 'Local Object', 'Lock Overview', and 'Close'. Below the dialog box, there are radio buttons for 'Into Selected Local Object (F7)' and 'Do Not Translate', and a checkbox for 'Only Process Installed Languages'.

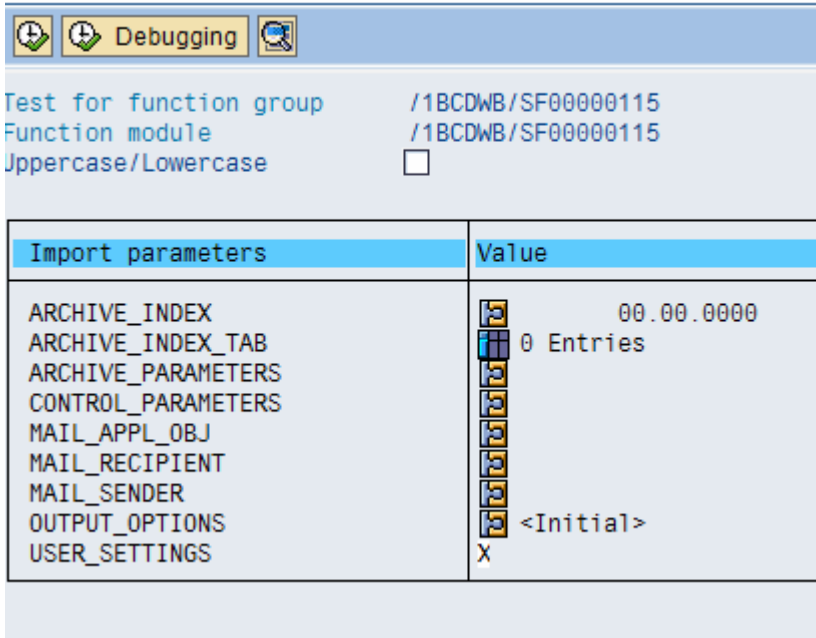
3) Execute it, you can see a function module generated.

### Function Builder: Initial Screen



4) When we execute this function module we can see the following screen. As we did not define and custom interface parameters yet, it does not appear in this screen. If we define any such parameters, it will appear in this screen.

### Test Function Module: Initial Screen



5) When we execute it, it asks for a output device, enter 'LOCL' and click on the print preview.

## SAP

Print

OutputDevice

Page selection

**Spool Request**

Name

Title

Authorization

**Spool Control**

Print immediately

Delete After Output

New Spool Request

Close Spool Request

Spool retention pd  Day(s)

Storage Mode

**Number of Copies**

Number

Group (1-1-1,2-2-2,3-3-3,...)

**Cover Page Settings**

SAP cover page

Recipient

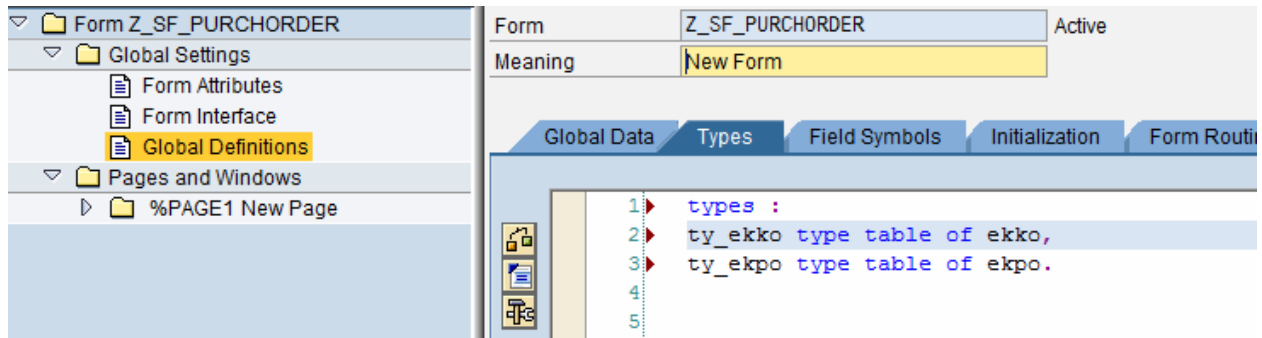
Department

6) We get an empty screen as there is no data flow into the form and no logic to display anything.

7) Now go back to the smart form and double click on the global definitions.

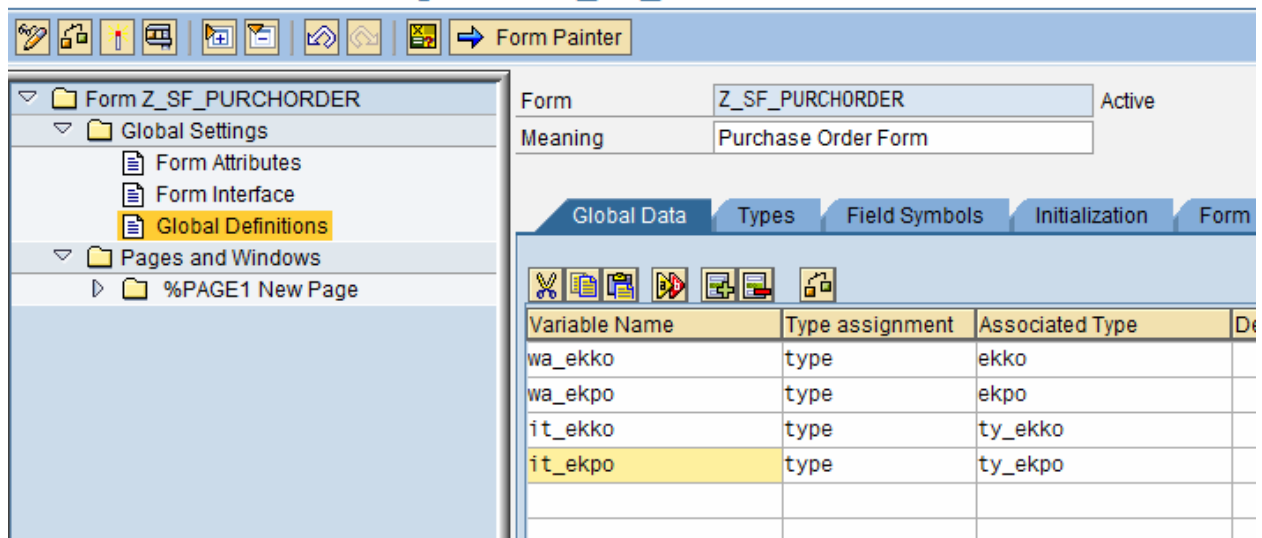
8) Once we define any parameters here, we can use them through out the form for any operations.

9) In the types tab, enter the following code



10) Now go to Global Data tab and declare the following variables as we want to print the purchase order data

### SAP Form Builder: Change Form Z\_SF\_PURCHORDER



11) Now in the initialization tab, enter the output parameters as it\_ekpo and it\_ekko. Also write the logic in the screen provided as shown below.

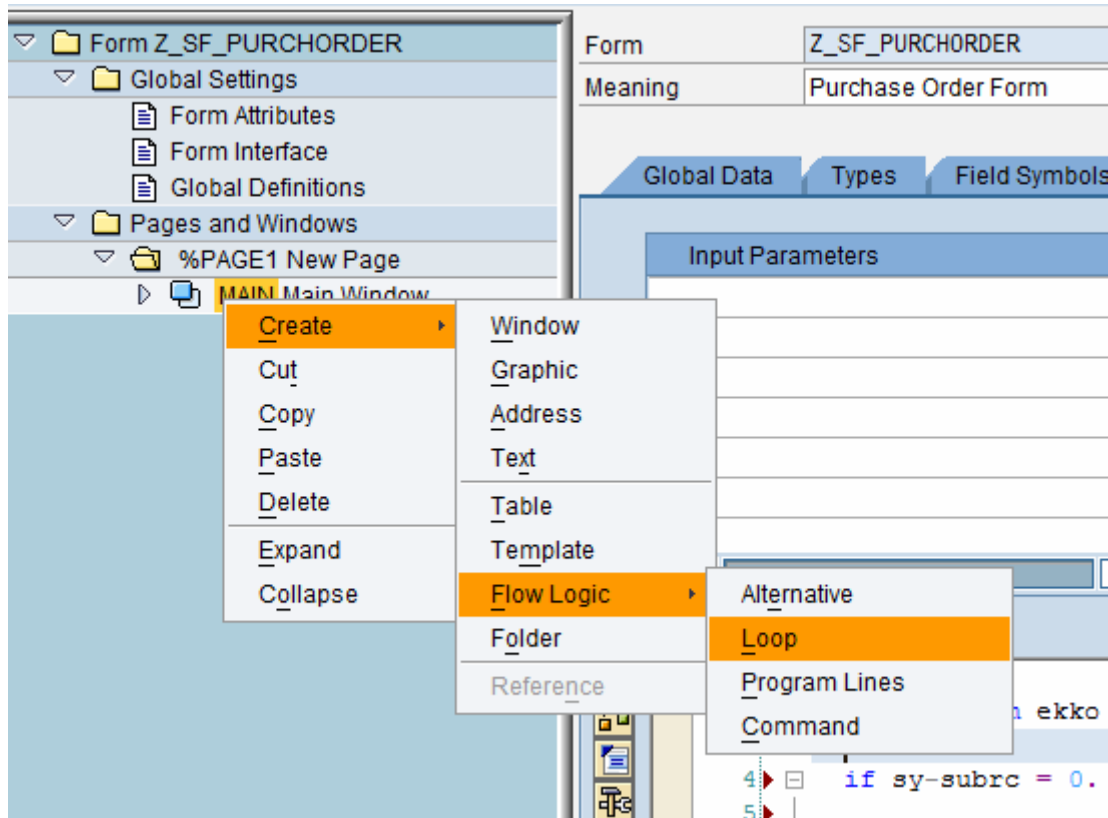
## SAP Form Builder: Change Form Z\_SF\_PURCHORDER

The screenshot displays the SAP Form Builder interface for editing form Z\_SF\_PURCHORDER. The left-hand tree view shows the form's structure, including Global Settings, Pages and Windows, and a Main Window with a loop and table. The right-hand pane shows the 'Initialization' tab with 'Input Parameters' and 'Output Parameters' sections. The 'Output Parameters' section lists IT\_EKKO and IT\_EKPO. Below these sections is a code editor with the following ABAP code:

```
1
2 select * from ekko into table it_ekko
3   UP TO 10 ROWS.
4
5 if sy-subrc = 0.
6
7   select * from ekpo into table it_ekpo
8     for all ENTRIES IN it_ekko
9     where ebeln = it_ekko-ebeln.
10
11 endif.
12
13
```

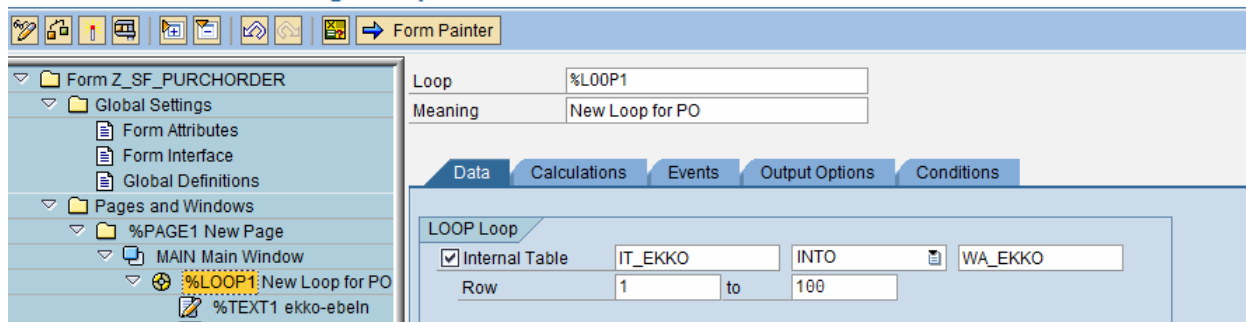
12) Now the data will be available in the internal table it\_ekko and it\_ekpo.

13) Right click on the Main window in the page1 and follow the path as shown below.

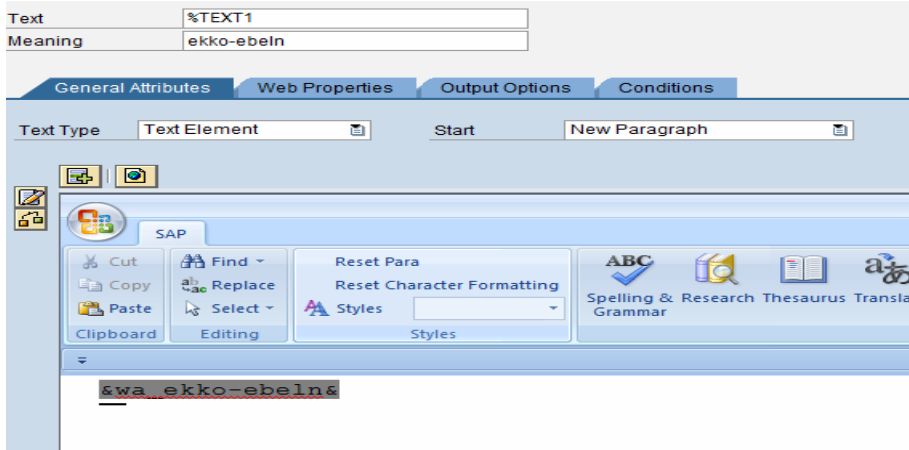


14) You get the following screen and enter the following data as shown.

#### SAP Form Builder: Change Loop %LOOP1



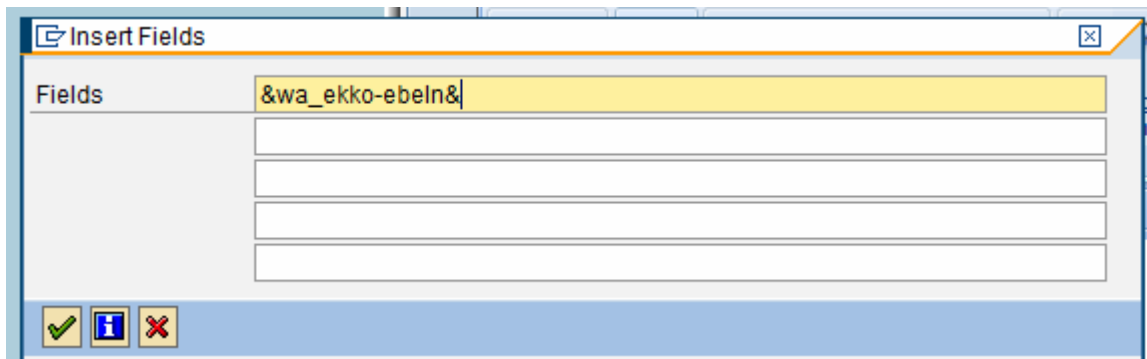
When you double click on the %TEXT1 that is created automatically, you get the following screen.



The field above can be added by clicking on the following button.

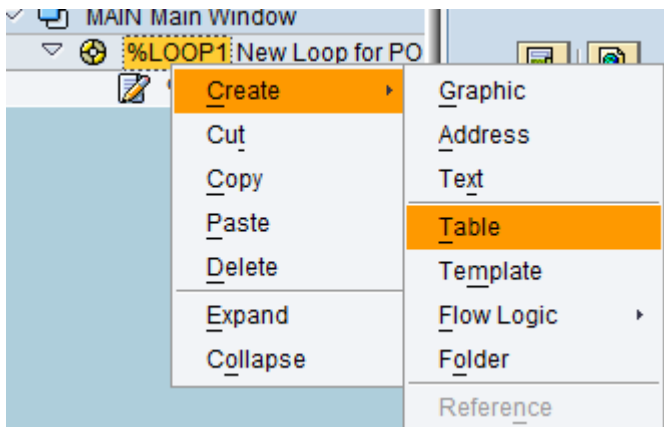


On clicking this button we get this pop up and we have to give the data with & at the beginning and end.

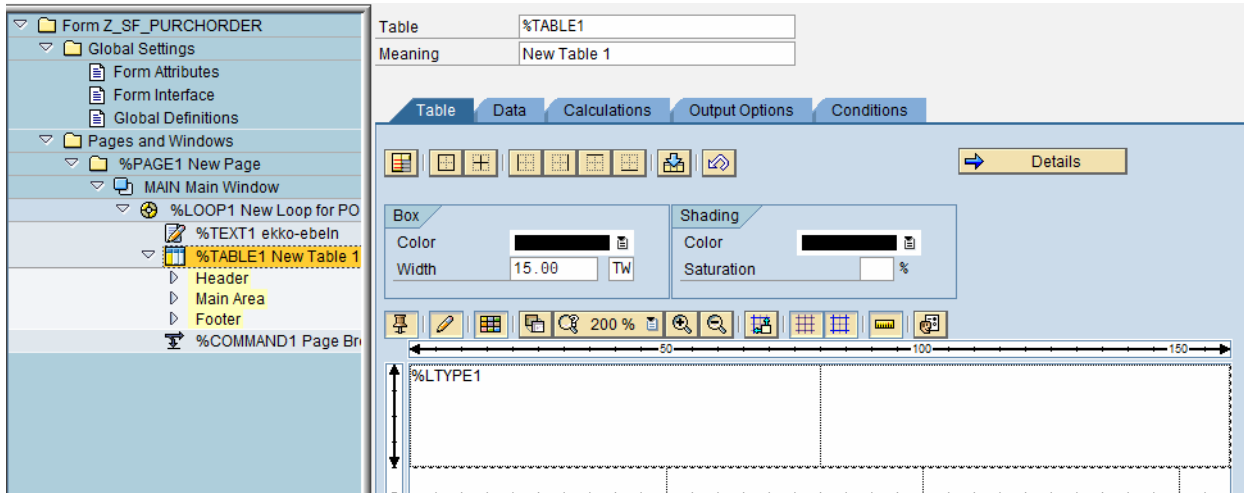


15) Now the loop is created for the header data.

16) We will now print the item level data for the PO. Click on the table button by following the path as shown below.

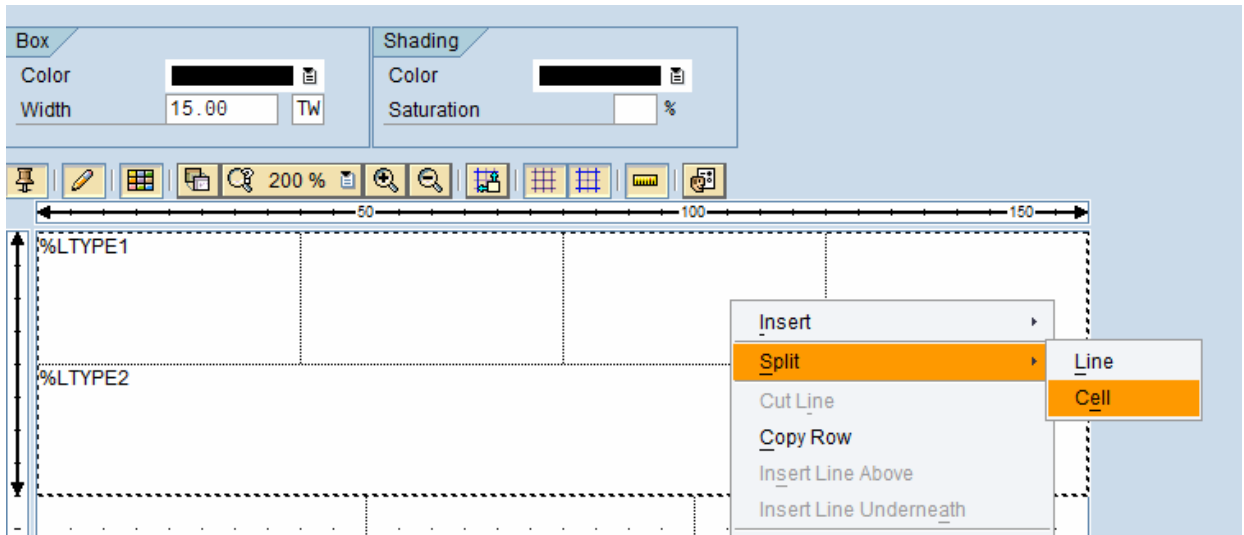


The screen looks like this

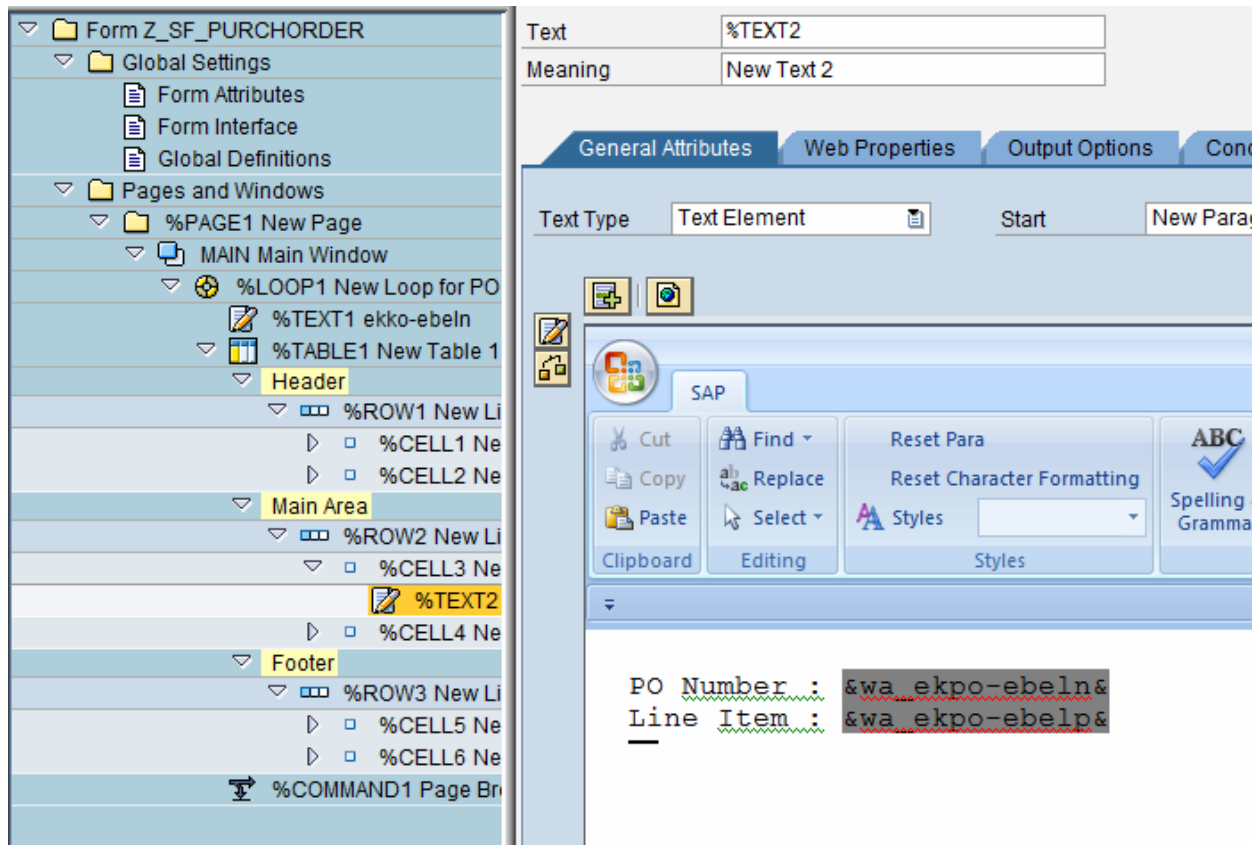


Every table has a header, main area and a footer. Different data can be printed based on the requirement.

The main area will be repeated here for the item level data. We can also split the line that comes by default. %LTYPE1. The process is shown below



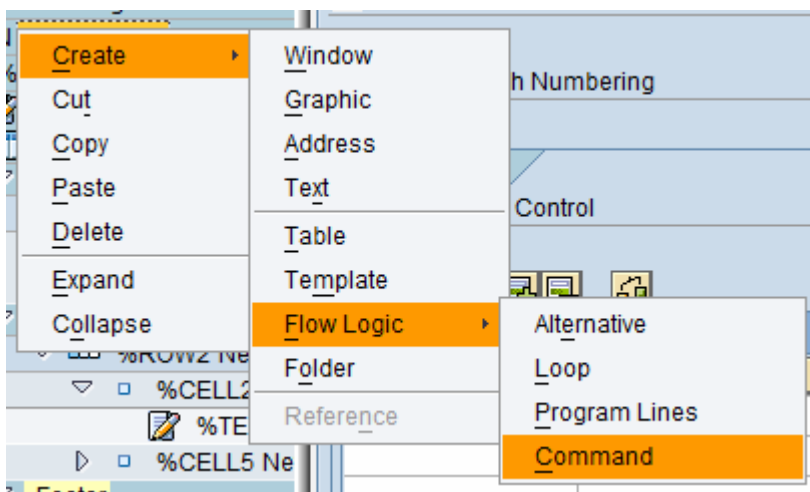
All we have to do is right click on the row and click on cell following the above path.



Right click on the cell and create a text. Inside the text enter the following data as done inside the loop.

Here we are displaying on the PO number and the line item number in the output.

17) Create a command line



18) In the command line, you can select the next page that has to be triggered when this present page is filled.

Command	%COMMAND1
Meaning	New Command 1

General Attributes	Conditions
--------------------	------------

<input checked="" type="checkbox"/> Go to New Page	%PAGE1
--	--------

19) Execute the smart form as shown in the steps 1-5 and you see the output like this for this form.

**Print Preview of LOCL Page 00001 of 00003**

Archive	Print and Archive
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```
4500000000
PO Number      : 4500000000
PO Line Item   : 00001

4500000001
PO Number      : 4500000001
PO Line Item   : 00010

4500000002
PO Number      : 4500000002
PO Line Item   : 00010

4500000003
PO Number      : 4500000003
PO Line Item   : 00010

PO Number      : 4500000003
PO Line Item   : 00020

4500000004
PO Number      : 4500000004
PO Line Item   : 00010

4500000005
PO Number      : 4500000005
PO Line Item   : 00010

PO Number      : 4500000005
PO Line Item   : 00020
```