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Applies To:

ABAP / SmartForms

Article Summary

This program passes an internal table into the SMARTFORM which displays the Internal in Tabular Form. Attached is the Code Sample and also the screen shots of Smartforms in T-code 'SMARTFORMS' for better understanding on how to display data using Smartforms.

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Date: 12 Apr, 2005

Code Sample

```
*&-----
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*&   Wipro technologies, SAP Practice
*&-----
*& This program passes an internal Table into the SAMRTFORM which then
*& prints it in Tabular form.
*****
report znit3.

tables : vbak.

*--declaration of internal table
data : i_vbak type table of znit_smartform.
*
*--declaration of work area
data : wa_vbak type znit_smartform.

*--defining of select options
select-options : s_vbeln      for   vbak-vbeln.

*--defining parameters
parameters      : s_vbtyp type  vbak-vbtyp.

parameters : v_bukrs type t001-bukrs.

data : v_formname type tdsfname value 'ZNIT_FORM',
      v_fmname type  rs381_fnam.

load-of-program.

*--start of selection events

start-of-selection.
*--SELECTING THE DATA FROM DATABASE INTO INTERNAL TABLE
  select vbeln
         auart
         netwr
         ernam
```

```

    from vbak
    into table i_vbak
    where vbeln in s_vbeln .

if sy-subrc ne 0.
    message i000(zmsg_demo1) with s_vbtyp
    'NO RECORDS FOUND'.
endif.

end-of-selection.

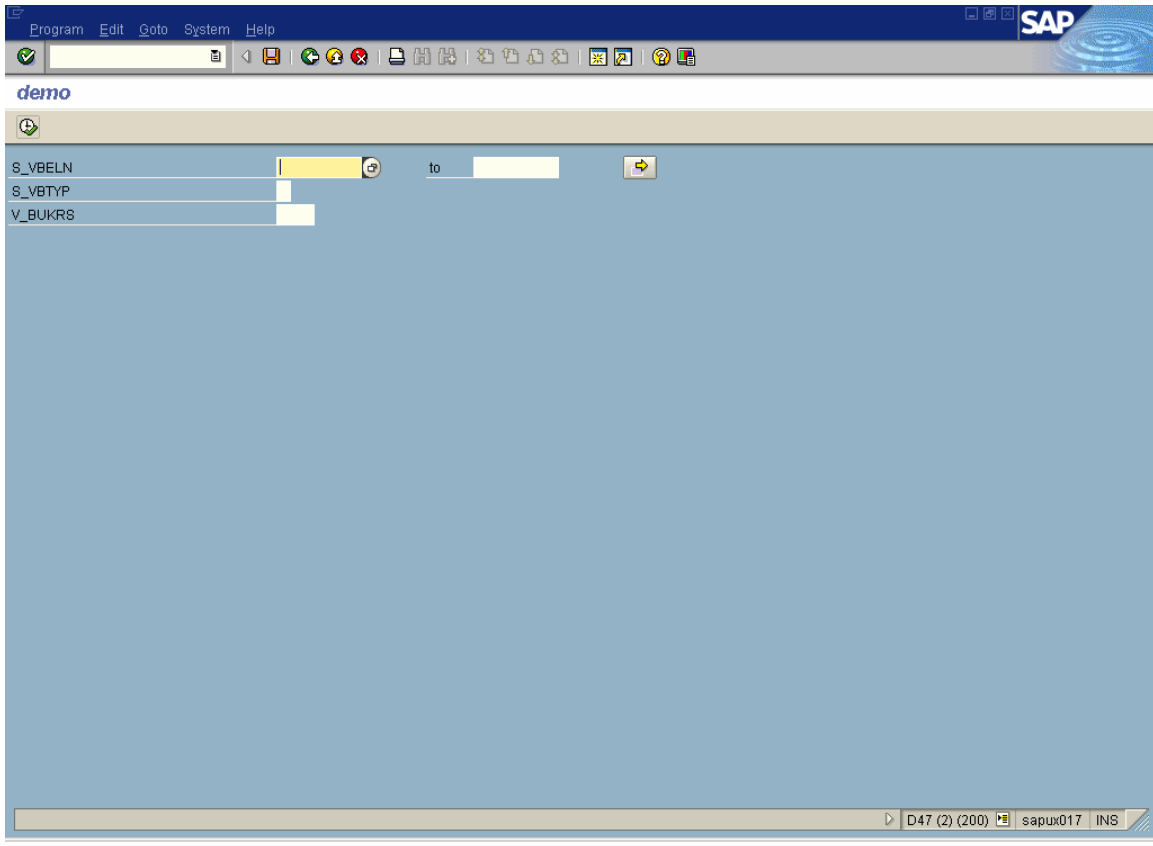
*&-----
*& This function Module returns the function Module Name which the
*& smartform generates after activating it.
*&-----
call function 'SSF_FUNCTION_MODULE_NAME'
    exporting
        formname          = v_formname
    importing
        fm_name           = v_fmname
    exceptions
        no_form           = 1
        no_function_module = 2
        others            = 3
    .

*&-----
*& Here we call the function module generated by the Smartform. After
*& activating each SMAERTFORM generates a unique Function Module which
*& is called in the program. The internal table, and other variables
*& which needs to be displayed are exported through this function module
*& to the SMARTFORM.
*&-----

call function v_fmname
    exporting
        v_bukrs          = v_bukrs
    tables
        i_final         = i_vbak

```

Selection Screen



Output Screen 1st Page

The image shows a screenshot of an SAP Print Preview window. The window title is "Print Preview of LOCL Page 00001 of 00162". The main content area displays a table of data for "COOPER Lighting/Crouse-Hinds". The table has four columns: "vbeln", "AUART", "NETWR", and "ERNAM". The data is as follows:

vbeln	AUART	NETWR	ERNAM
1	ZOR	0.00	A2233
2	ZOR	0.00	A2233
4	ZOR	100,000.00	JGEAD
5	ZOR	327.51	G44EA
20000004	ZQT	3,275.10	CBC4F
20000005	ZQT	32,751.00	KCCFC
6	ZOR	10,000.00	CBC4F

The window also shows a menu bar with "Text", "Edit", "Goto", "System", and "Help". The status bar at the bottom indicates "D47 (1) (200) | sapux017 | INS".

Print Preview of LOCL Page 00001 of 00162

Archive Print and Archive

20000006	ZQT	8,187.75	CBC4F
14	ZOR	69.50	CBC4F
20000009	ZQT	69.50	EAPFE
16	ZOR	1,000.00	EAPFE
20000010	ZOR	1,000.00	JGEAD
20	ZQT	0.00	CBC4F
21	ZOR	10,000.00	CBC4F
23	ZOR	10,000.00	A2233
24	ZOR	328.12	A2233
25	ZOR	807.75	A2233
26	ZOR	667.00	KCCFC
<u>SD Document</u>	<u>Sales Doc</u>	<u>Net Value</u>	<u>Name</u>

D47 (1) (200) sapux017 INS

Output Screen 1st Page

Text Edit Goto System Help

SAP

Print Preview of LOCL Page 00162 of 00162

Archive Print and Archive

<u>vbeln</u>	<u>AUART</u>	<u>NETWR</u>	<u>ERNAM</u>
60000587	ZHCR	0.00	BE5116
70000263	ZHDR	0.00	BE5116
60000588	ZHCR	0.00	BE5116
70000264	ZHDR	0.00	BE5116
70000265	ZHDR	0.00	BE5116
60000589	ZHCR	0.00	BE5116
70000266	ZHDR	0.00	BE5116
<u>SD Document</u>	<u>Sales Doc</u>	<u>Net Value</u>	<u>Name</u>
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Nitin Gupta			

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Screen shots of SMARTFORM in T-code SMARTFORMS

SAP Form Builder: Display Form ZNIT_FORM

Form: ZNIT_FORM Active
Description: New Form

Import Export Tables Exceptions

Parameter Name	Type Assignment	Associated Type	Default Value	Optional	Pass
ARCHIVE_INDEX	TYPE	TOA_DARA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ARCHIVE_INDEX_TAB	TYPE	TSFDARA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ARCHIVE_PARAMETERS	TYPE	ARC_PARAMS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CONTROL_PARAMETERS	TYPE	SSFCTRLP		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_APPL_OBJ	TYPE	SWOTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_RECIPIENT	TYPE	SWOTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MAIL_SENDER	TYPE	SWOTOBJID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OUTPUT_OPTIONS	TYPE	SSFCOMPDP		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
USER_SETTINGS	TYPE	TDBOOL	'X'	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
V_BUKRS	TYPE	T001-BUKRS		<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

D47 (2) (110) sapux017 INS

SAP Form Builder: Display Graphic %GRAPHIC1

Form Painter

Graphic: %GRAPHIC1
Description: New Graphic 1

General Attributes | Output Options | Conditions

Name: COOPERS_CANADA
Object: GRAPHICS
ID: BMAP

Black and White Bitmap Image (BMON)
 Color Bitmap Image (BCOL)
 Determine Dynamically (BMON, BCOL)

Technical Attributes
Resolution: 300 DPI

D47 (2) (110) | sapux017 | INS

SAP Form Builder: Display Window LOGO_WINDOW

Form Painter

Window: LOGO_WINDOW
Description: New Window 1

General Attributes | Output Options | Conditions

Window type: Secondary Window

D47 (2) (110) | sapux017 | INS

SAP Form Builder: Display Graphic %GRAPHIC1

Form Painter

Graphic: %GRAPHIC1
Description: New Graphic 1

General Attributes | Output Options | Conditions

Name: COOPERS_CANADA
Object: GRAPHICS
ID: BMAP

Black and White Bitmap Image (BMON)
 Color Bitmap Image (BCOL)
 Determine Dynamically (BMON, BCOL)

Technical Attributes
Resolution: 300 DPI

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SAP Form Builder: Display Program Lines %CODE1

Form Painter

Program Lines: %CODE1
Description: New Program Lines 1

General Attributes | Conditions

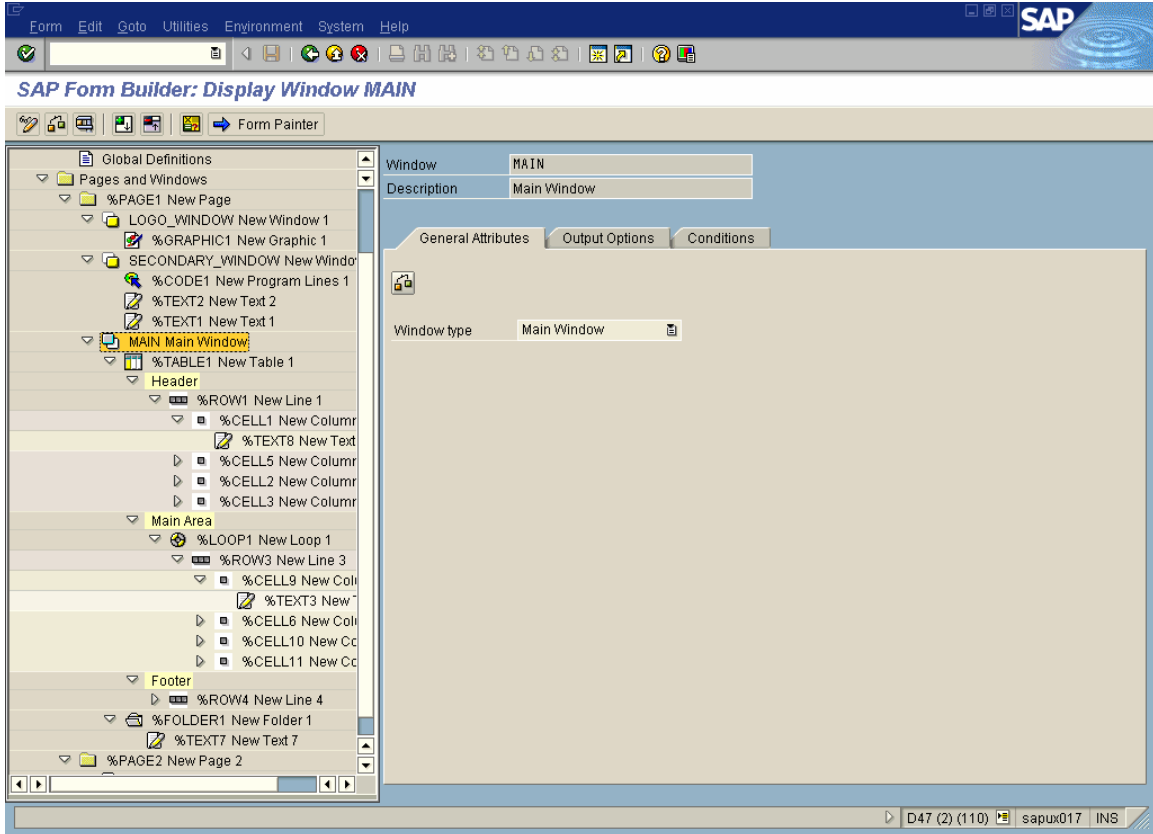
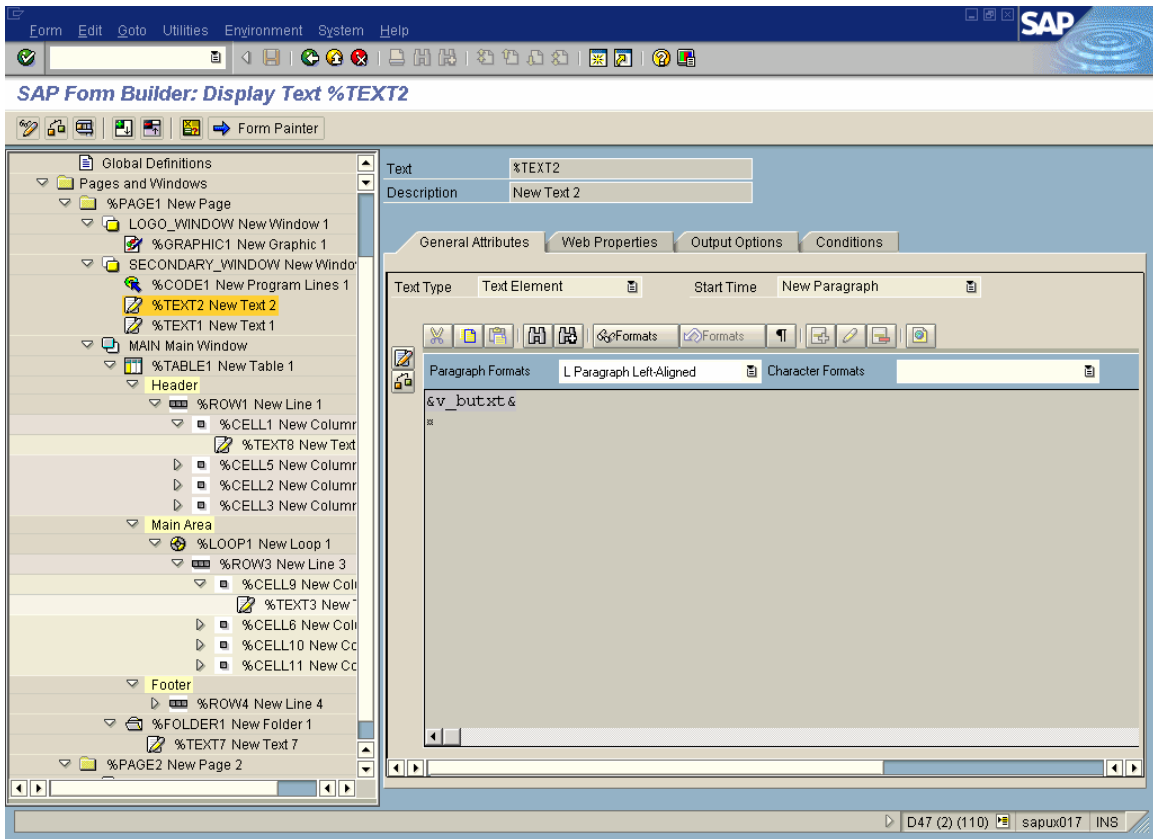
Input Parameters: v_BUKRS
Output Parameters: v_BUTXT

```

select single butxt
  from t001
  into v_butxt
  where bukrs eq v_bukrs.

break c5fa8b.
  
```

D47 (2) (110) | sapux017 | INS



SAP Form Builder: Display Table %TABLE1

Form Painter

Global Definitions

- Pages and Windows
 - %PAGE1 New Page
 - LOGO_WINDOW New Window 1
 - %GRAPHIC1 New Graphic 1
 - SECONDARY_WINDOW New Window 1
 - %CODE1 New Program Lines 1
 - %TEXT2 New Text 2
 - %TEXT1 New Text 1
 - MAIN Main Window
 - %TABLE1 New Table 1
 - Header
 - %ROW1 New Line 1
 - %CELL1 New Column 1
 - %TEXT8 New Text 8
 - %CELL5 New Column 5
 - %CELL2 New Column 2
 - %CELL3 New Column 3
 - Main Area
 - %LOOP1 New Loop 1
 - %ROW3 New Line 3
 - %CELL9 New Column 9
 - %TEXT3 New Text 3
 - %CELL6 New Column 6
 - %CELL10 New Column 10
 - %CELL11 New Column 11
 - Footer
 - %ROW4 New Line 4
 - %FOLDER1 New Folder 1
 - %TEXT7 New Text 7

Table %TABLE1
Description: New Table 1

Table Painter

Table Width: 16.00 CM
Horizontal Alignment: Left 0.00 CM
Minimum Height: 1.00 CM

Line Type	Default	No Pa...	1.	U..2.	U..3.	U..4.	U..5.	U..
LTYPE1	<input checked="" type="radio"/>	<input type="checkbox"/>	4.00	CM 4.00	CM 4.00	CM 4.00	CM	

D47 (2) (110) sapux017 INS

SAP Form Builder: Display Line %ROW1

Form Painter

Global Definitions

- Pages and Windows
 - %PAGE1 New Page
 - LOGO_WINDOW New Window 1
 - %GRAPHIC1 New Graphic 1
 - SECONDARY_WINDOW New Window 1
 - %CODE1 New Program Lines 1
 - %TEXT2 New Text 2
 - %TEXT1 New Text 1
 - MAIN Main Window
 - %TABLE1 New Table 1
 - Header
 - %ROW1 New Line 1
 - %CELL1 New Column 1
 - %TEXT8 New Text 8
 - %CELL5 New Column 5
 - %CELL2 New Column 2
 - %CELL3 New Column 3
 - Main Area
 - %LOOP1 New Loop 1
 - %ROW3 New Line 3
 - %CELL9 New Column 9
 - %TEXT3 New Text 3
 - %CELL6 New Column 6
 - %CELL10 New Column 10
 - %CELL11 New Column 11
 - Footer
 - %ROW4 New Line 4
 - %FOLDER1 New Folder 1
 - %TEXT7 New Text 7

Line %ROW1
Description: New Line 1

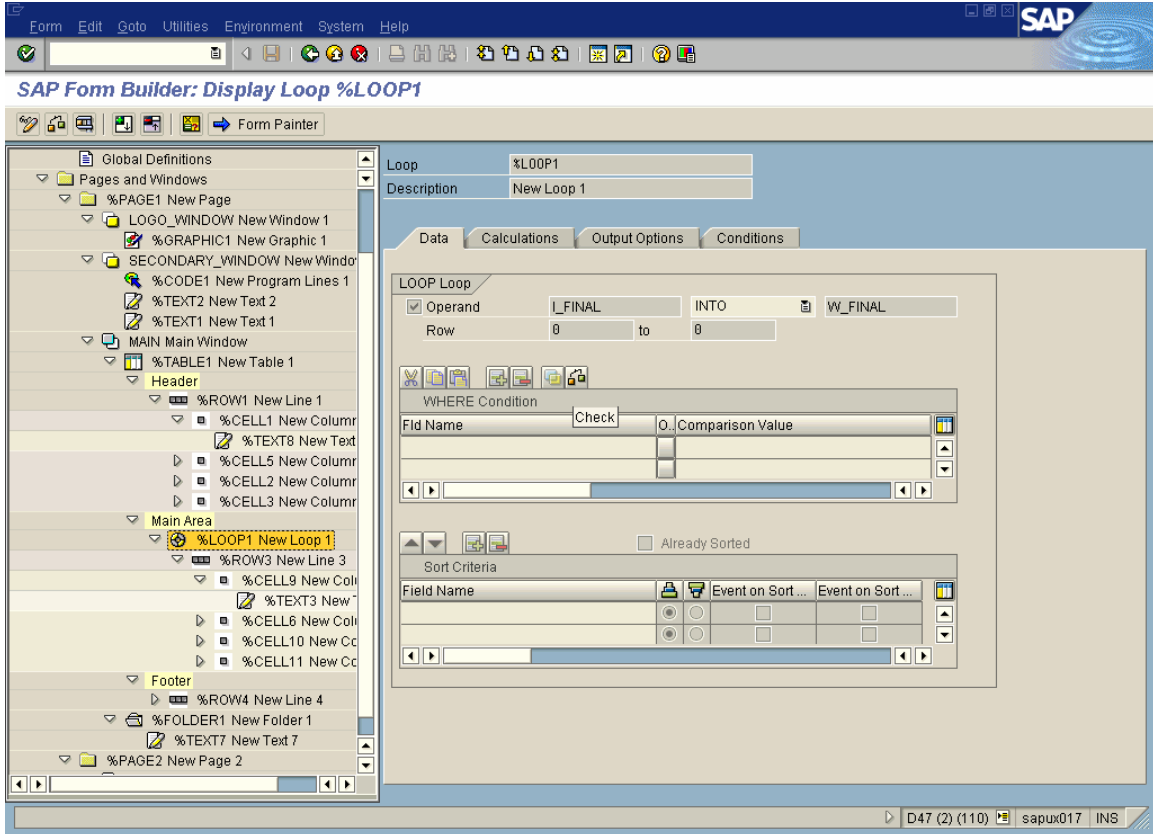
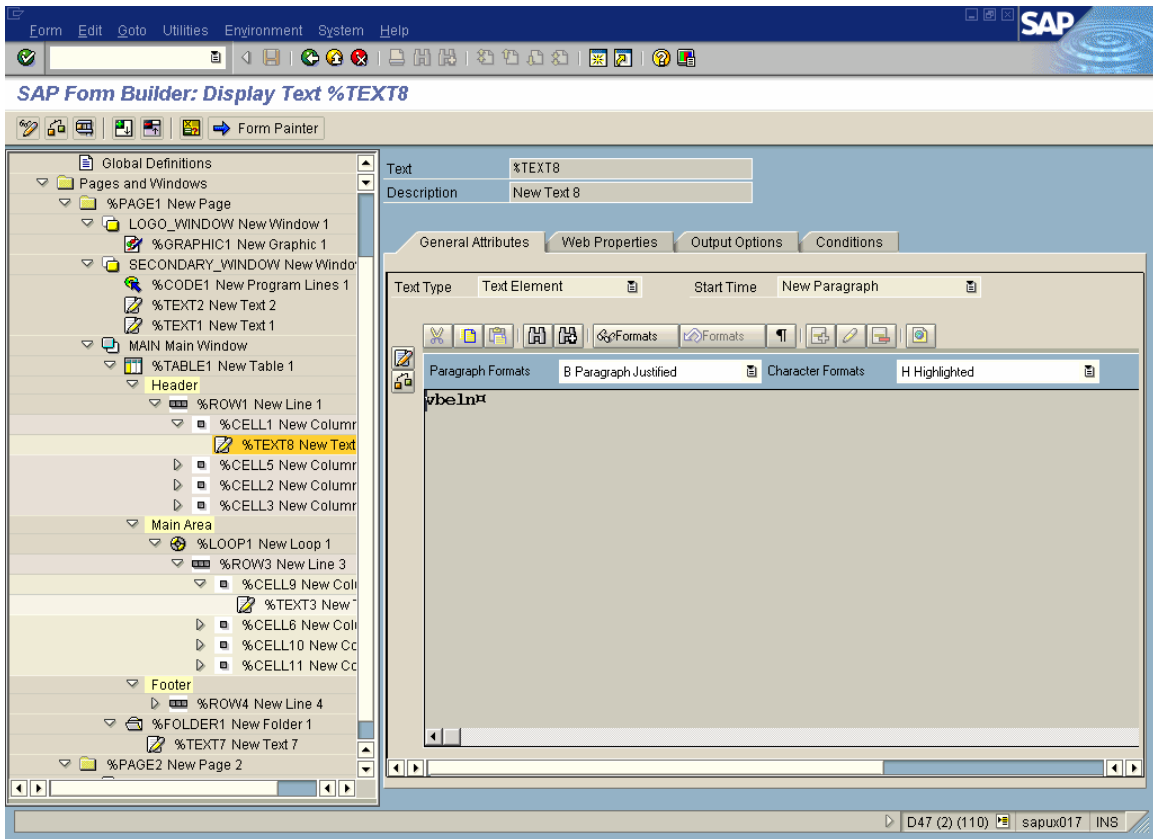
Output Options

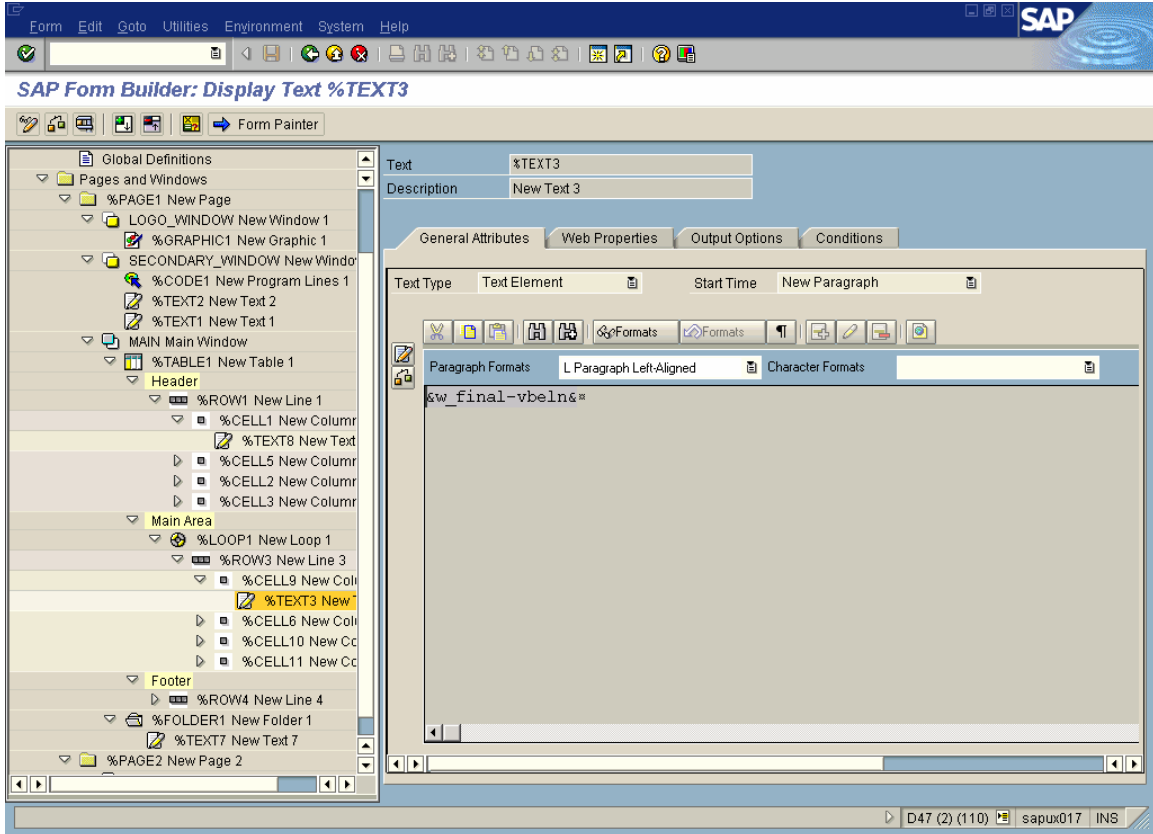
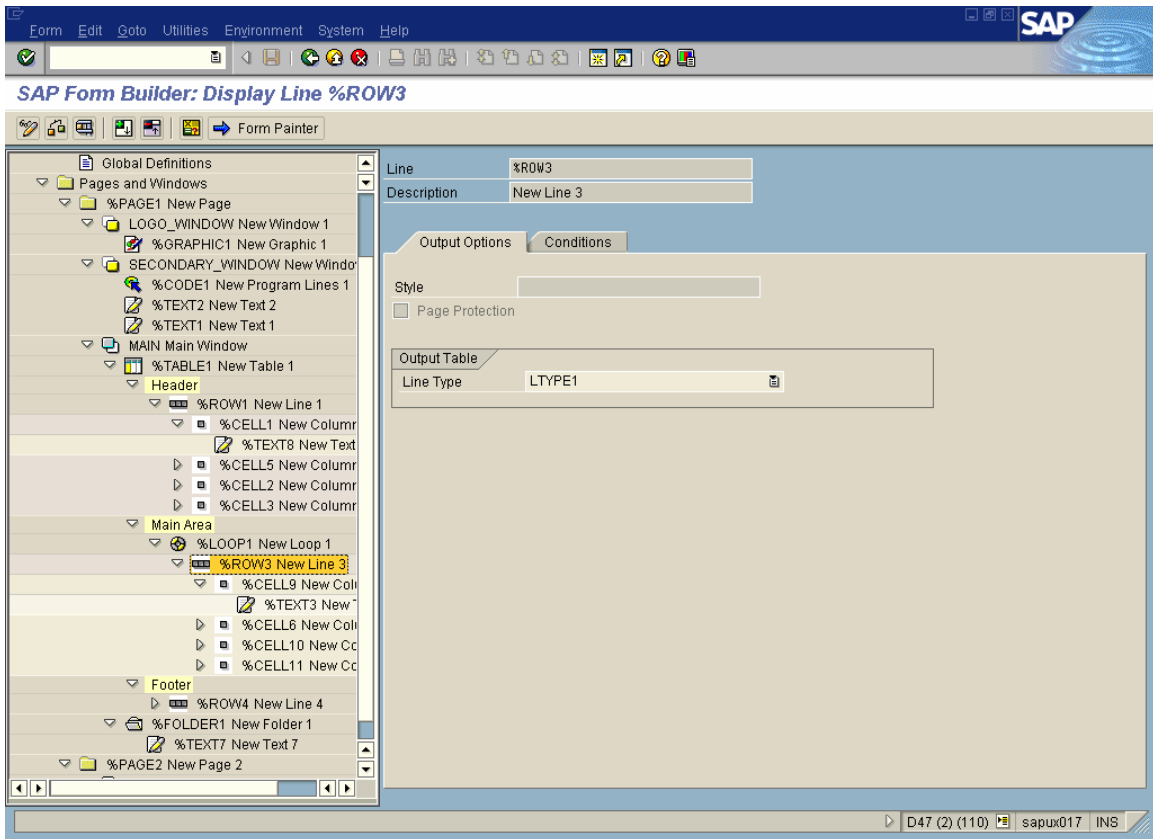
Style:
 Page Protection

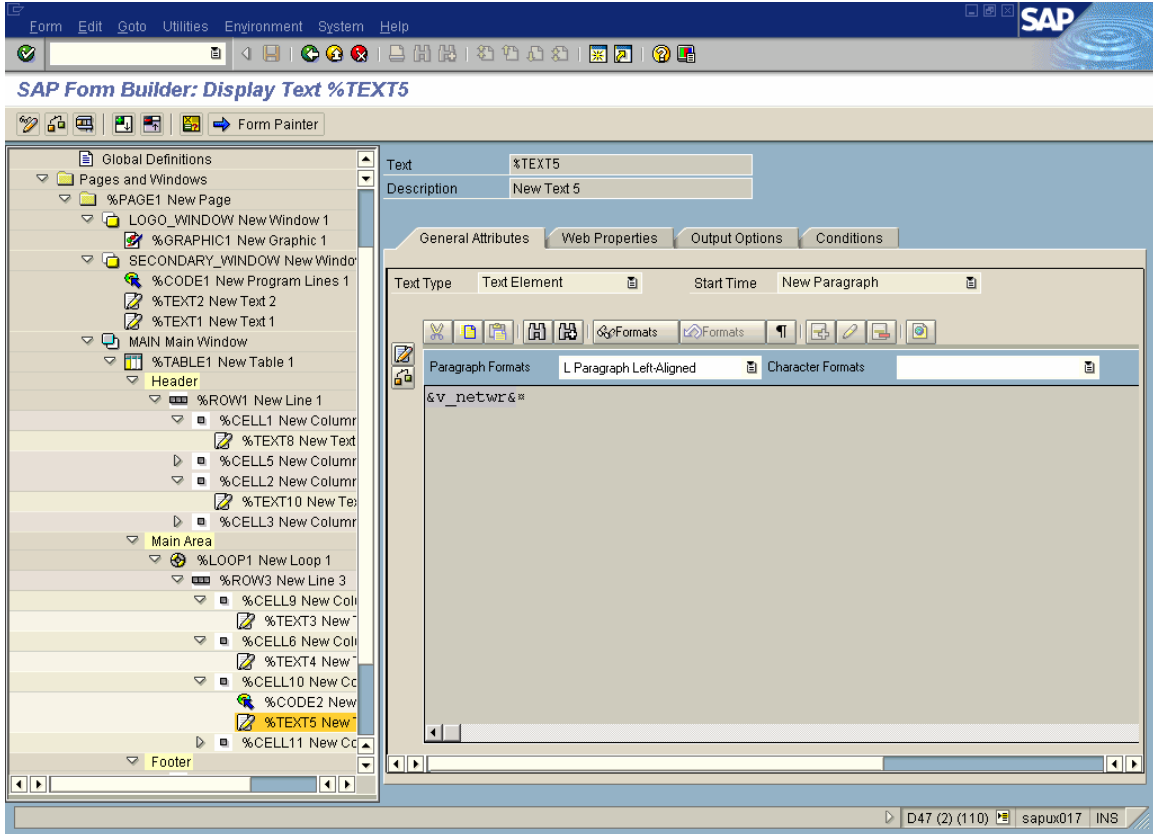
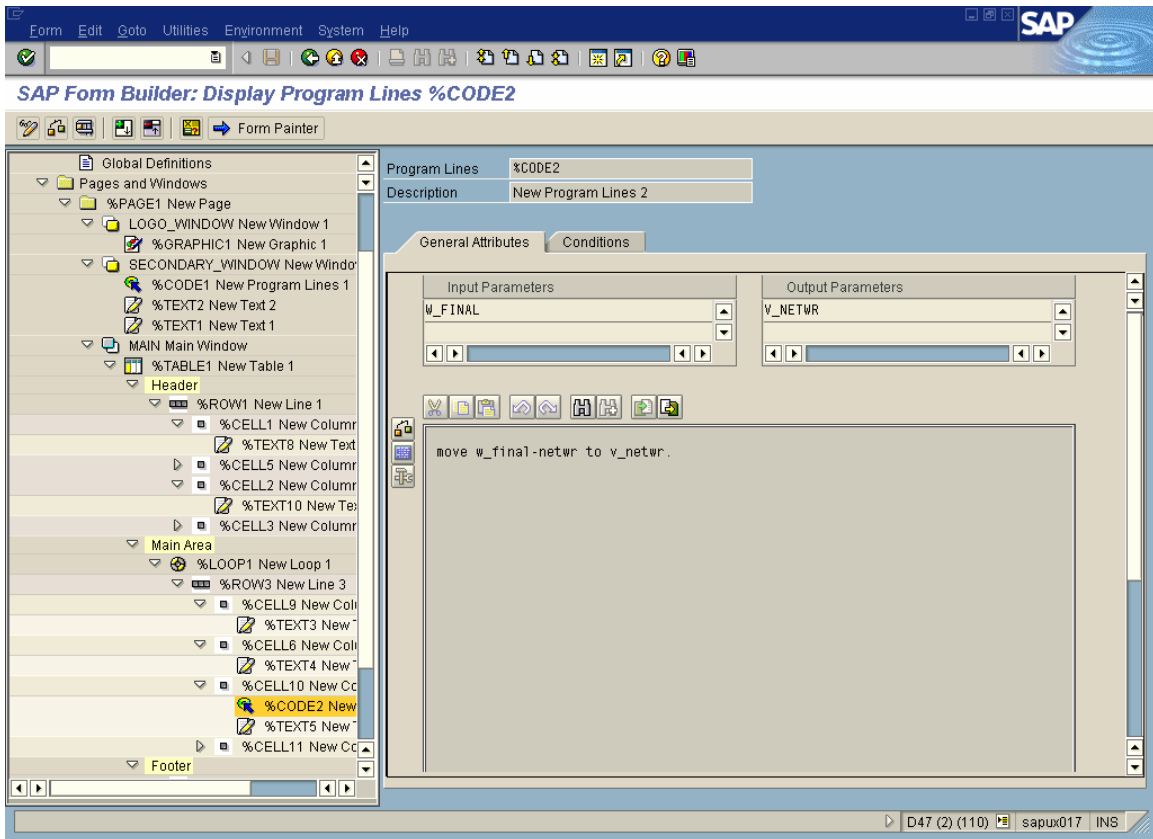
Output Table

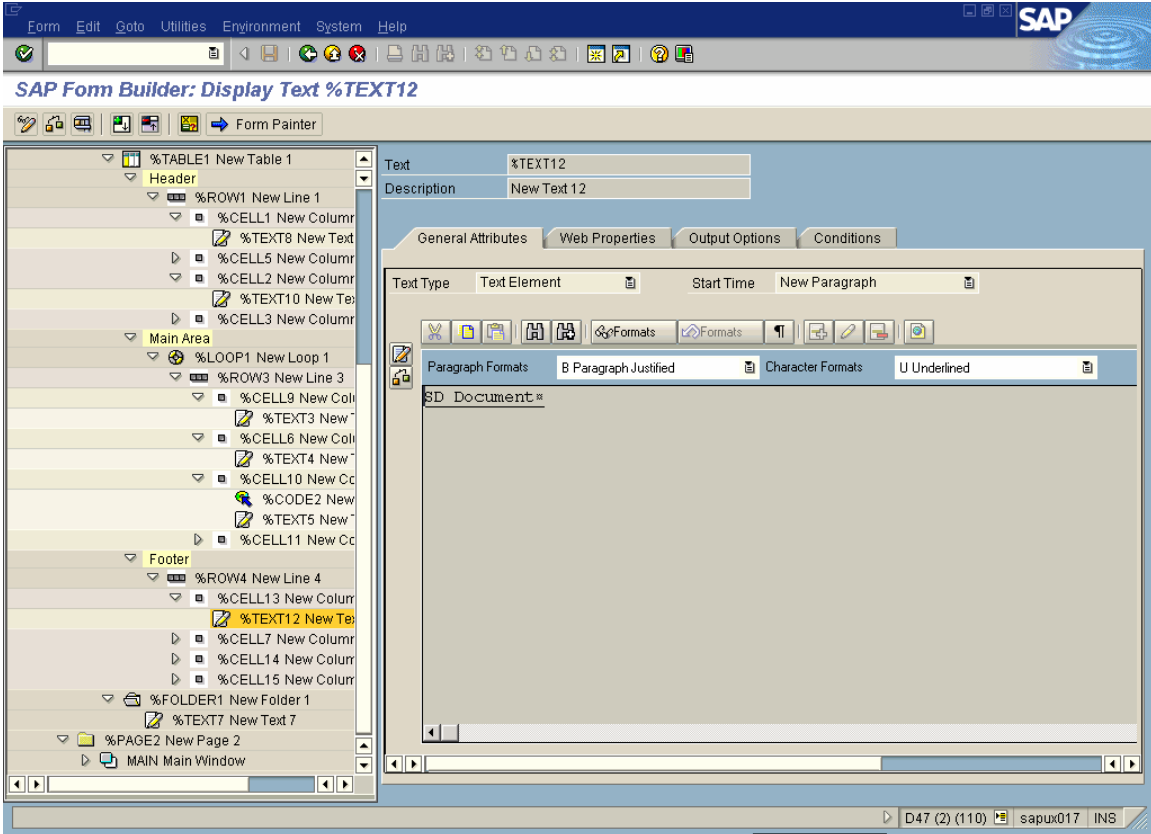
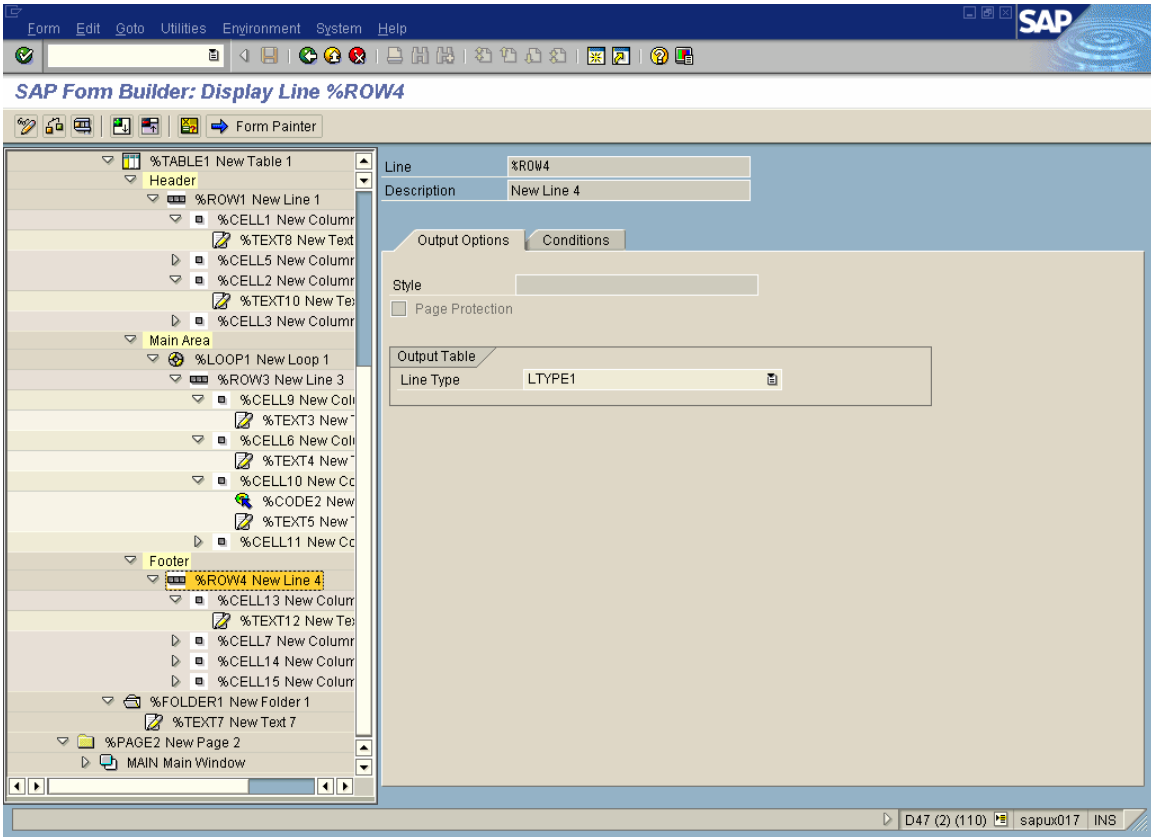
Line Type: LTYPE1

D47 (2) (110) sapux017 INS









SAP Form Builder: Display Text %TEXT7

Form Painter

Text: %TEXT7
Description: New Text 7

General Attributes | Web Properties | Output Options | Conditions

Text Type: Text Element | Start Time: New Paragraph

Paragraph Formats: Paragraph Left-Aligned | Character Formats

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D47 (2) (110) | sapux017 | INS

SAP Form Builder: Display Window MAIN

Form Painter

Window: MAIN
Description: Main Window

General Attributes | Output Options | Conditions

Window type: Main Window

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