

Applies To:

Usage of Tab Strip in ALV – SAP R/3 system version 4.6C

Summary

This document helps the beginners to create a tabstrip control and in the tabs we can display various set of outputs in each tab.

By: J.Judith Jessie Selvi

Company and Title: Senior Software Engineer in Wipro Technologies

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Table of Contents

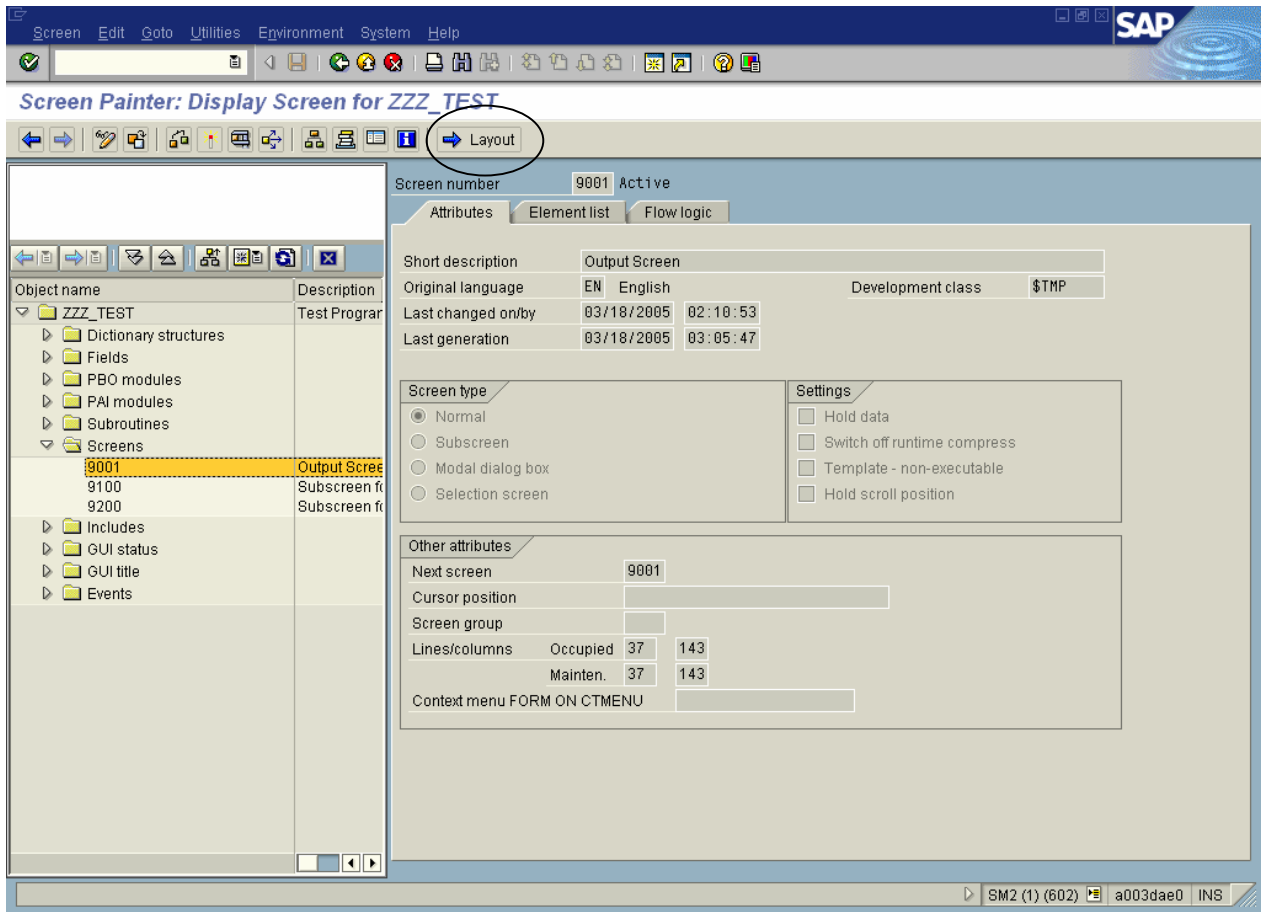
Applies To:.....	1
Summary	1
Table of Contents	1
Procedure	1
Code.....	11
Output Screens	20
Disclaimer & Liability Notice.....	24
Author Bio.....	24

Procedure

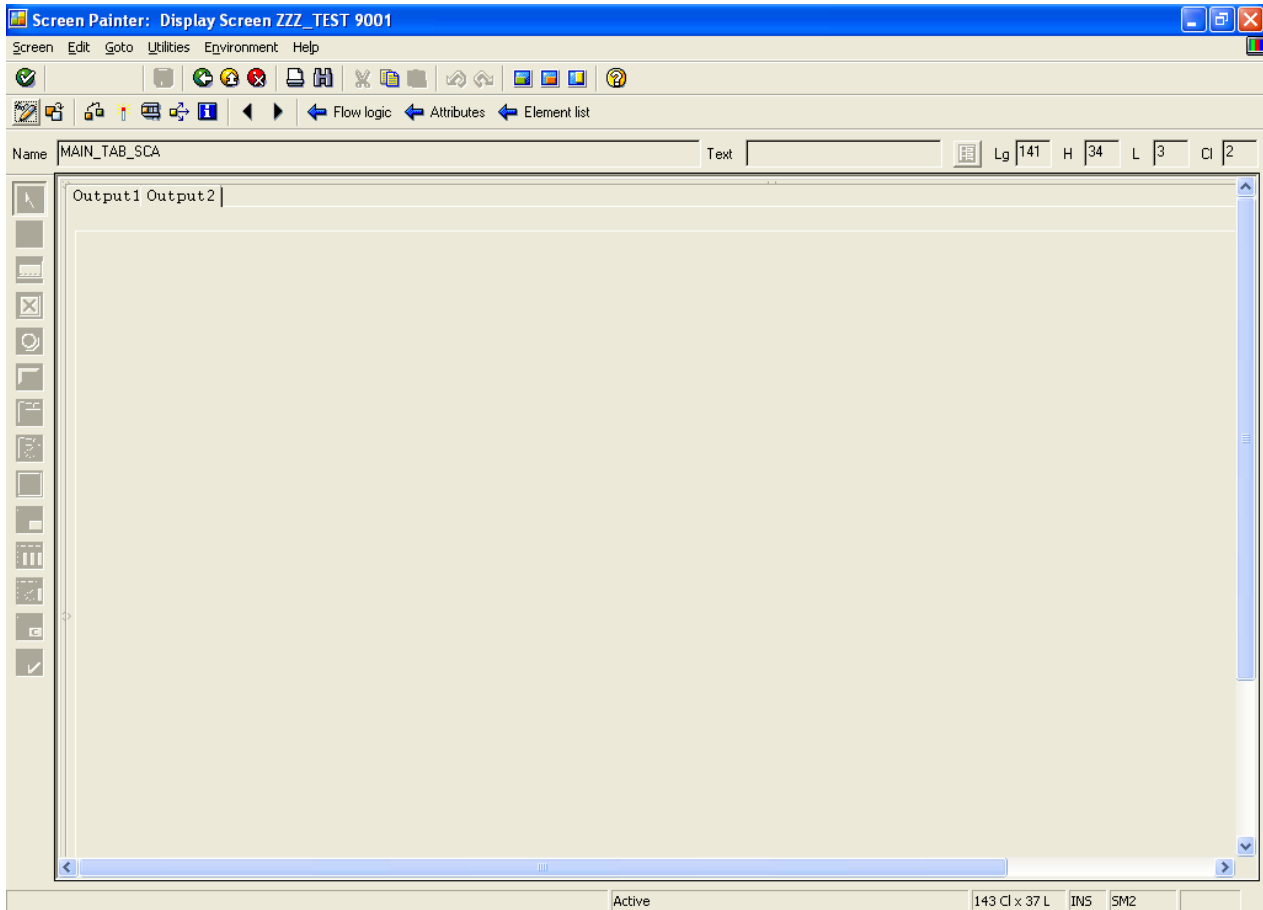
Go to SE38 -> Create an executable program.

Then create the screen (say 9001) with the screen attributes as follows.

Tab Strip in ALV



Click the layout button. Drag the tabstrip control from the controls and place it on screen.



Set the properties of tab as follows.

In the properties, make sure the name has been given for the main tab. If the display needs more tabs you can place pushbuttons and in the properties window give the text for the particular button. Eg: Output1.

In the properties of the button make sure that you have mentioned the Fct.Code and Ref.field. The Fct.Code should be the main tab name and the Ref.field will be the sub screen area name. By giving the reference field we are attaching a common sub screen area to the tabs for display.

Properties for Main Tab:

The screenshot shows the 'Screen Painter: At...' window in SAP. The 'El. type' is set to 'Tabstrip control'. The 'Name' field contains 'MAIN_TAB'. The 'Text' field is empty. The 'Icon name' field is empty. The 'Quick info' field is empty. The 'Line' field contains '1', 'Def. Length' contains '143'. The 'Column' field contains '1', 'Vis. Length' contains '143', and 'Height' contains '37'. The 'Groups' field is empty. The 'FctCode' field is empty and 'FctType' is a dropdown menu. The 'Context menu form' field contains 'ON_CTMENU_'. The 'Attributes' section shows 'Tab title' with a value of '2'. The 'Resizing' section has two options: 'Vertical' (unchecked) with 'Min. lines' and 'Horizontal' (unchecked) with 'Min. columns'. The bottom of the window has a toolbar with icons for save, undo, redo, and help.

El. type	Tabstrip control		
Name	MAIN_TAB		
Text			
Icon name			
Quick info			
Line	1	Def. Length	143
Column	1	Vis. Length	143
		Height	37
Groups			
FctCode		FctType	
Context menu form	ON_CTMENU_		
Attributes			
Tab title	2		
Resizing			
<input type="checkbox"/> Vertical	Min. lines		
<input type="checkbox"/> Horizontal	Min. columns		

Properties for the Tabs:

The image displays two side-by-side screenshots of the SAP Screen Painter interface, specifically the 'Properties' window for ALV tab strips. Both windows are titled 'Screen Painter: At...'. The left window is for 'MAIN_TAB_TAB1' and the right is for 'MAIN_TAB_TAB2'. Both are configured as 'Pushbutton' elements.

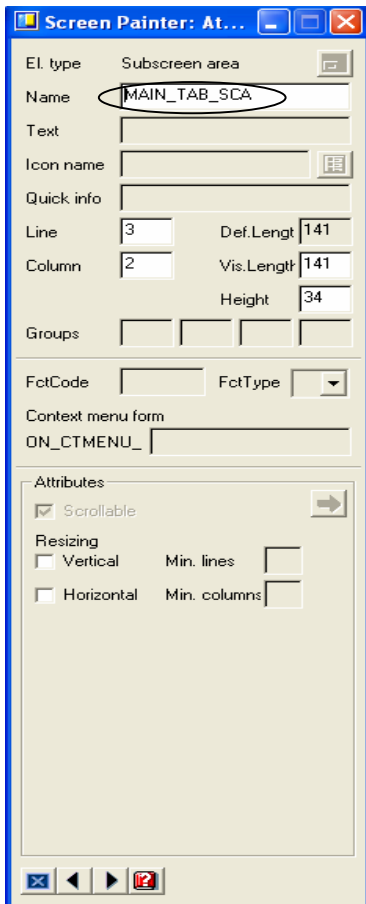
Left Window (MAIN_TAB_TAB1):

- El. type: Pushbutton
- Name: MAIN_TAB_TAB1
- Text: Output1
- Icon name: (empty)
- Quick info: (empty)
- Line: 1, Def. Length: 7
- Column: 1, Vis. Length: 7
- Height: 1
- Groups: (empty)
- FctCode: MAIN_TA (circled)
- FctType: (dropdown)
- Context menu form: ON_CTMENU_ (empty)
- Attributes:
 - Dict: Program | Display
 - Format: CHAR
 - From dict.: (checkbox)
 - Modify: (dropdown)
 - Conv. Exit: (empty)
 - Search help: (empty)
 - Ref. field: MAIN_TAB_SCA (circled)
 - Parameter ID: (empty)
 - SET parameter: (checkbox)
 - GET parameter: (checkbox)
 - Foreign key check: (checkbox)
 - Upper/lower case: (checkbox)

Right Window (MAIN_TAB_TAB2):

- El. type: Pushbutton
- Name: MAIN_TAB_TAB2
- Text: Output2
- Icon name: (empty)
- Quick info: (empty)
- Line: 1, Def. Length: 7
- Column: 2, Vis. Length: 7
- Height: 1
- Groups: (empty)
- FctCode: MAIN_TA (circled)
- FctType: (dropdown)
- Context menu form: ON_CTMENU_ (empty)
- Attributes:
 - Dict: Program | Display
 - Format: CHAR
 - From dict.: (checkbox)
 - Modify: (dropdown)
 - Conv. Exit: (empty)
 - Search help: (empty)
 - Ref. field: MAIN_TAB_SCA (circled)
 - Parameter ID: (empty)
 - SET parameter: (checkbox)
 - GET parameter: (checkbox)
 - Foreign key check: (checkbox)
 - Upper/lower case: (checkbox)

Properties of Subscreen area:

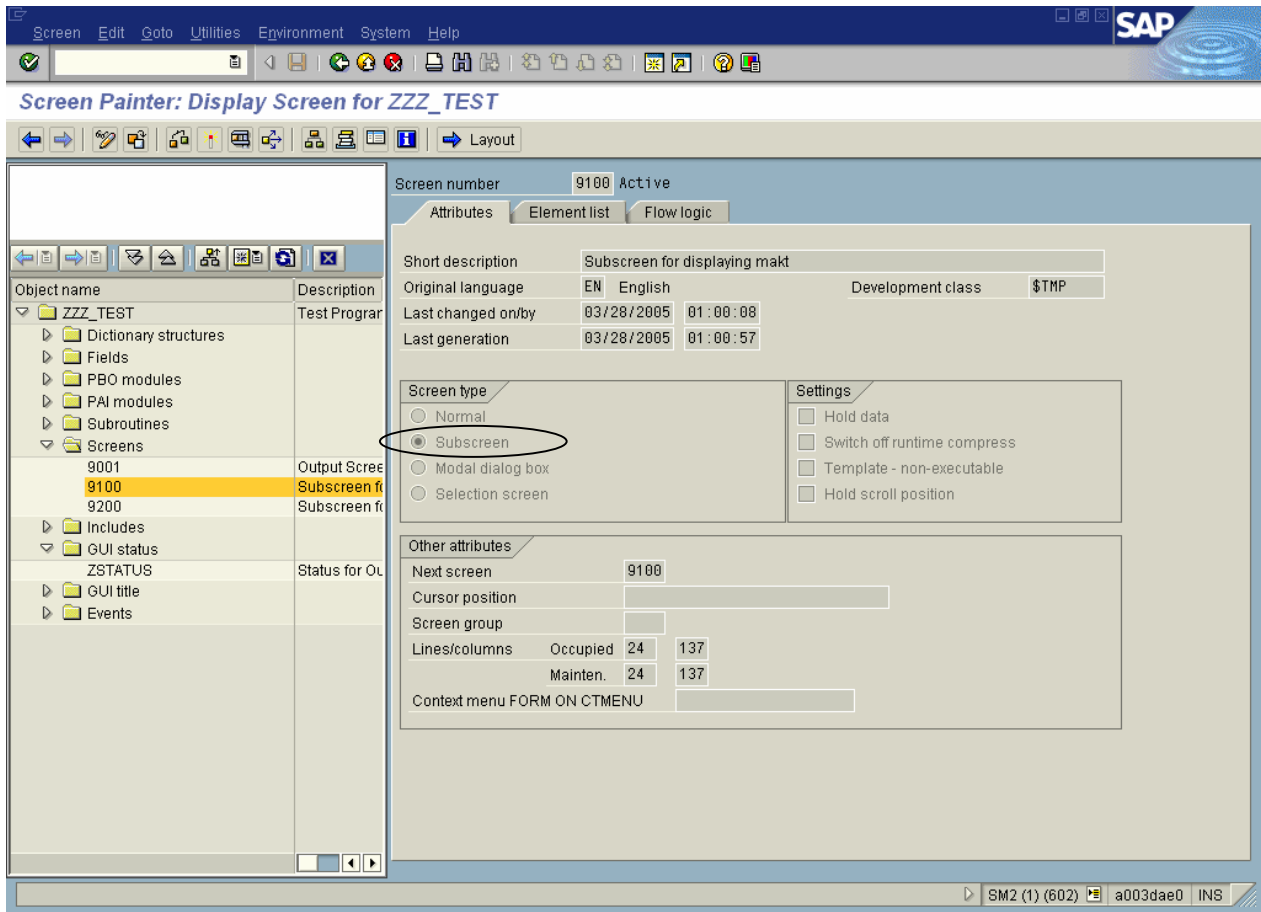


The screenshot shows the 'Screen Painter: At...' window with the 'Attributes' tab selected. The 'El. type' is 'Subscreen area'. The 'Name' field is 'MAIN_TAB_SCA' and is circled. The 'Line' is 3, 'Column' is 2, 'Def. Length' is 141, 'Vis. Length' is 141, and 'Height' is 34. The 'Attributes' section has 'Scrollable' checked. The 'Resizing' section has 'Vertical' and 'Horizontal' unchecked, with 'Min. lines' and 'Min. columns' set to 1. The 'Context menu form' is 'ON_CTMENU_'. The bottom of the window has a toolbar with icons for undo, redo, and help.

El. type	Subscreen area		
Name	MAIN_TAB_SCA		
Text			
Icon name			
Quick info			
Line	3	Def. Length	141
Column	2	Vis. Length	141
		Height	34
Groups			
FctCode		FctType	
Context menu form	ON_CTMENU_		
Attributes			
<input checked="" type="checkbox"/> Scrollable			
Resizing			
<input type="checkbox"/> Vertical	Min. lines		
<input type="checkbox"/> Horizontal	Min. columns		

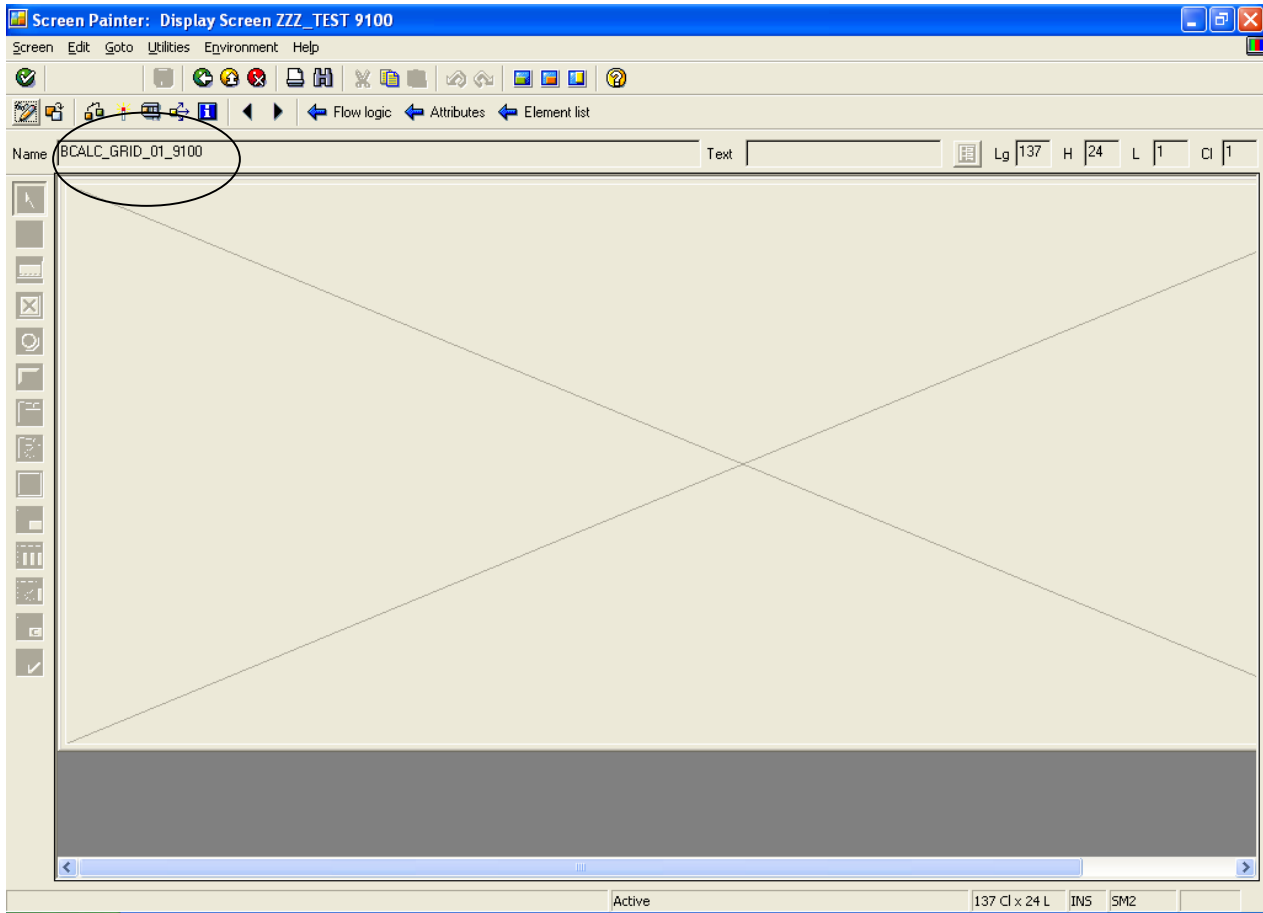
Then create subscreens by right clicking on the screens in object navigator. In the attributes specify the screen type as Subscreen.

Tab Strip in ALV



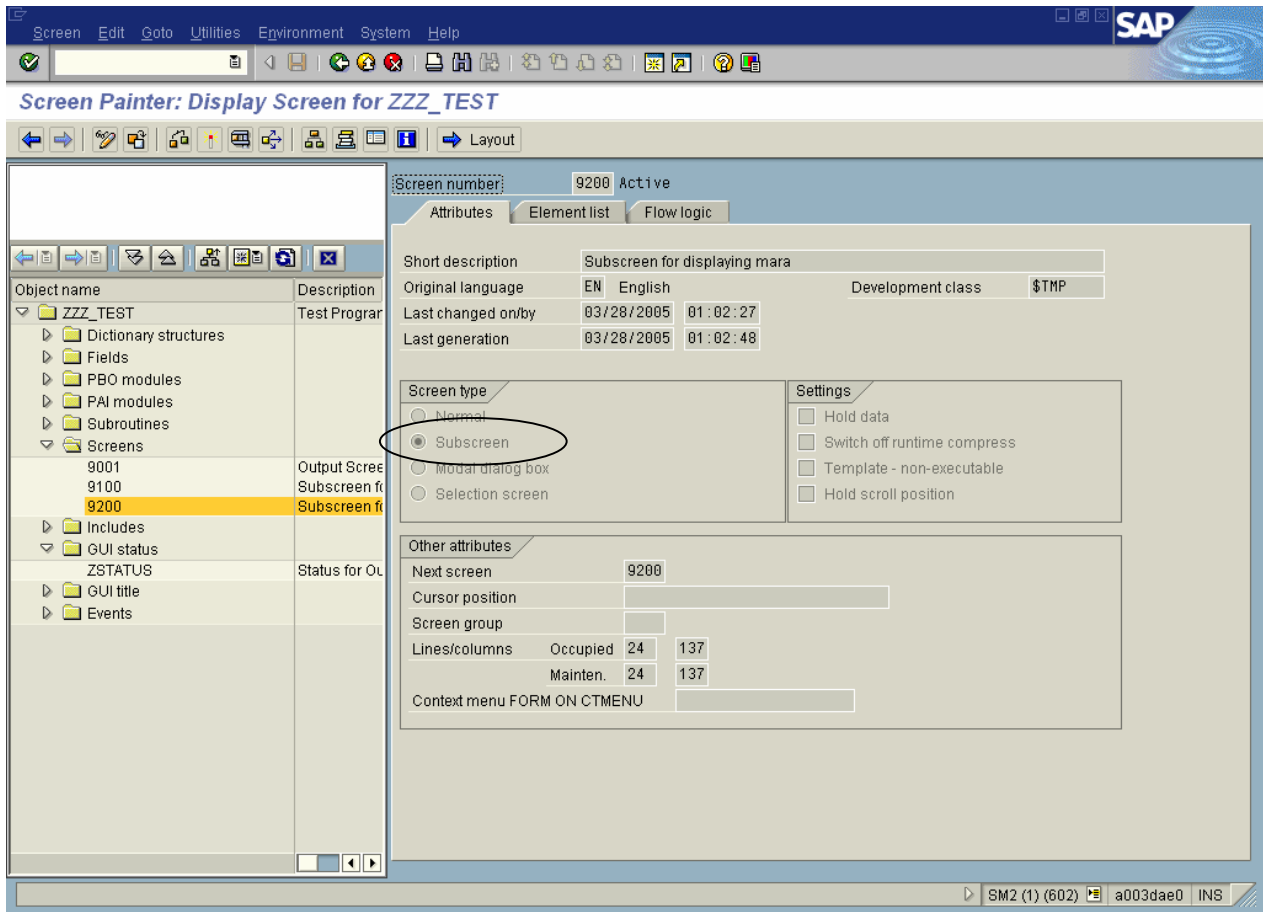
In the screen layout place the custom container from the controls. Specify a name for the custom container.
(Refer the attributes of the subscreens for the length occupied by the container, so that the output looks good)

Tab Strip in ALV

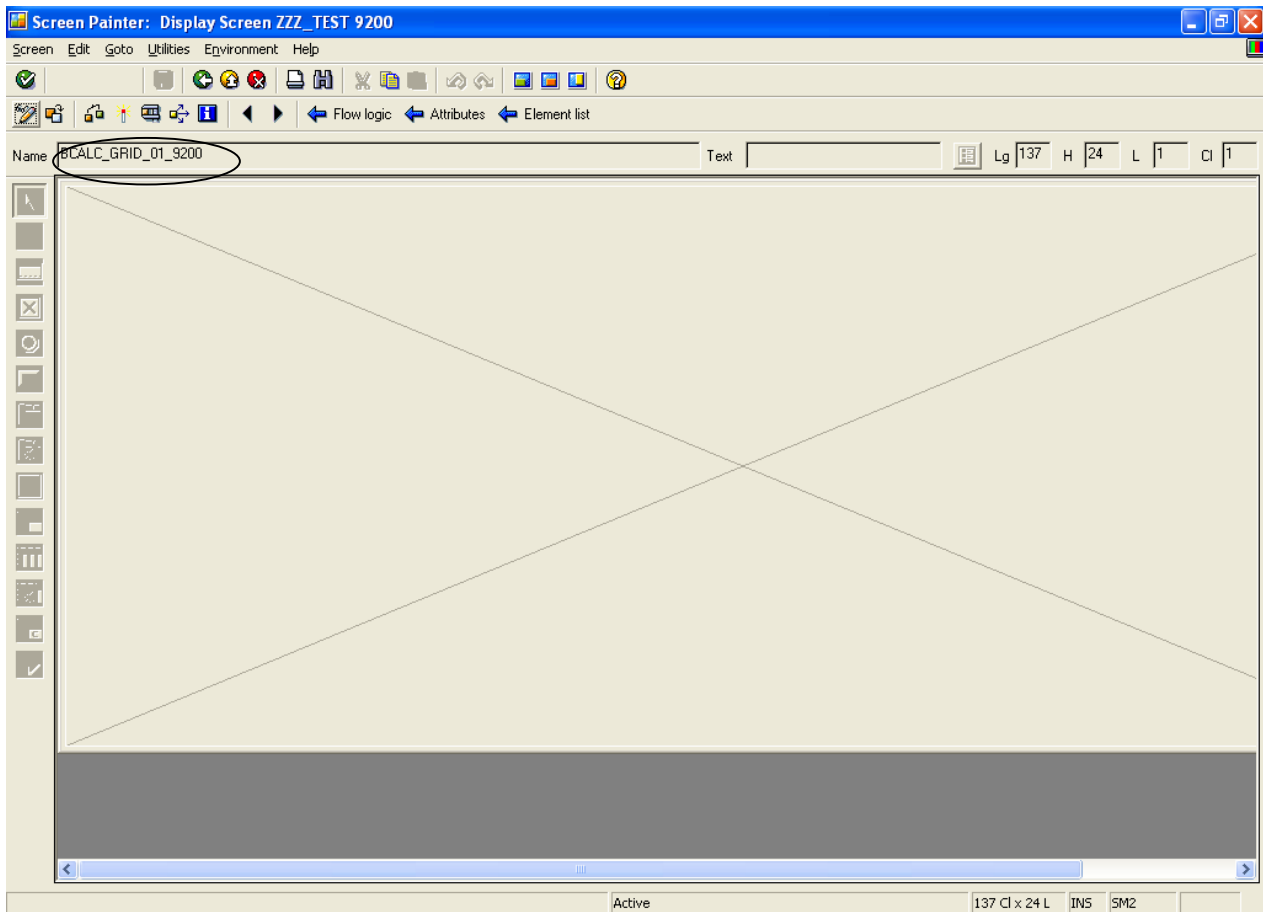


Similarly by right clicking on the 9100, select copy and give the screen number as 9200.

Tab Strip in ALV



In the screen layout place the custom container from the controls. Specify a name for the custom container.

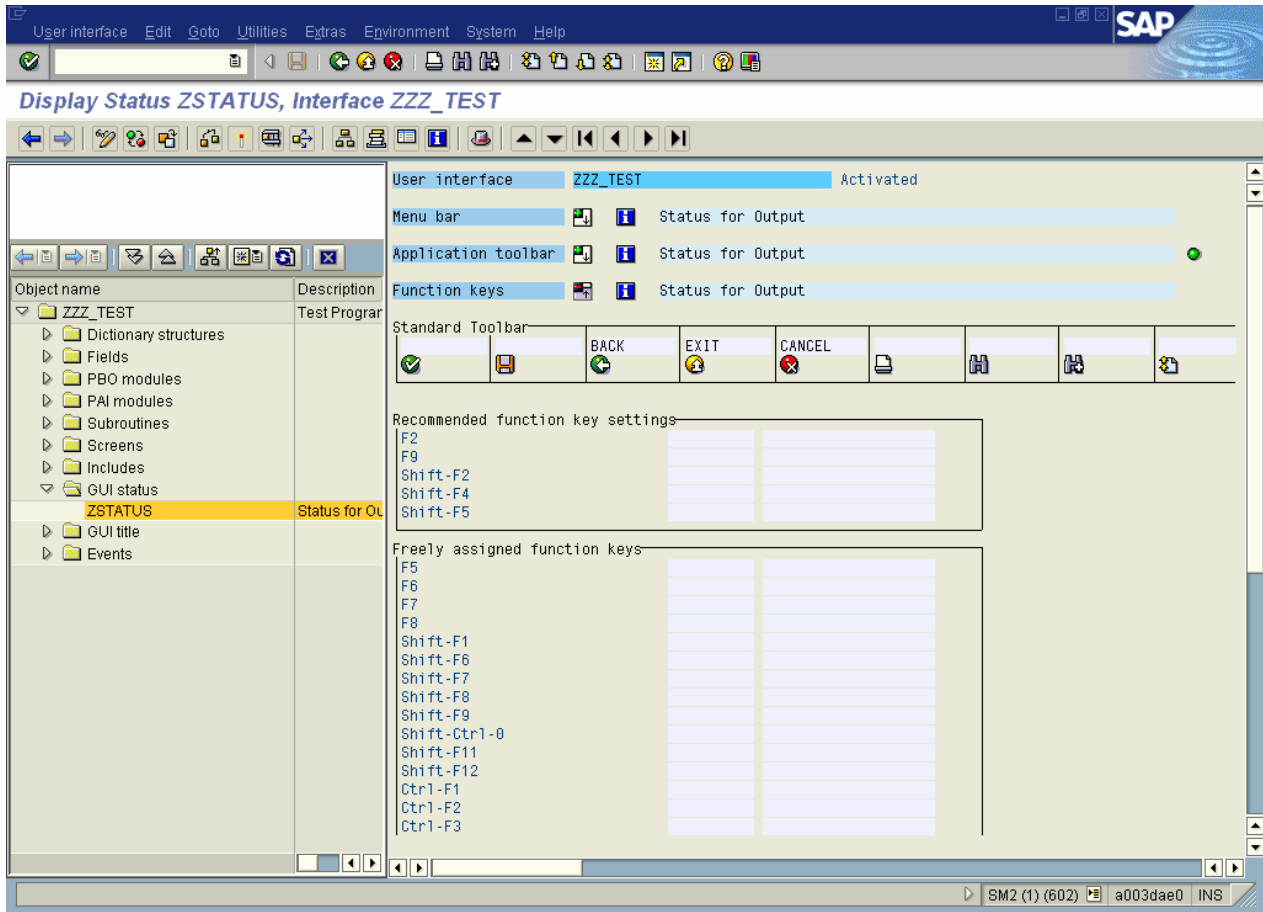


Create the status by right clicking create ->GUI Status in the object display.

Similarly create title.

Set the BACK, EXIT, CANCEL in standard toolbar and activate it.

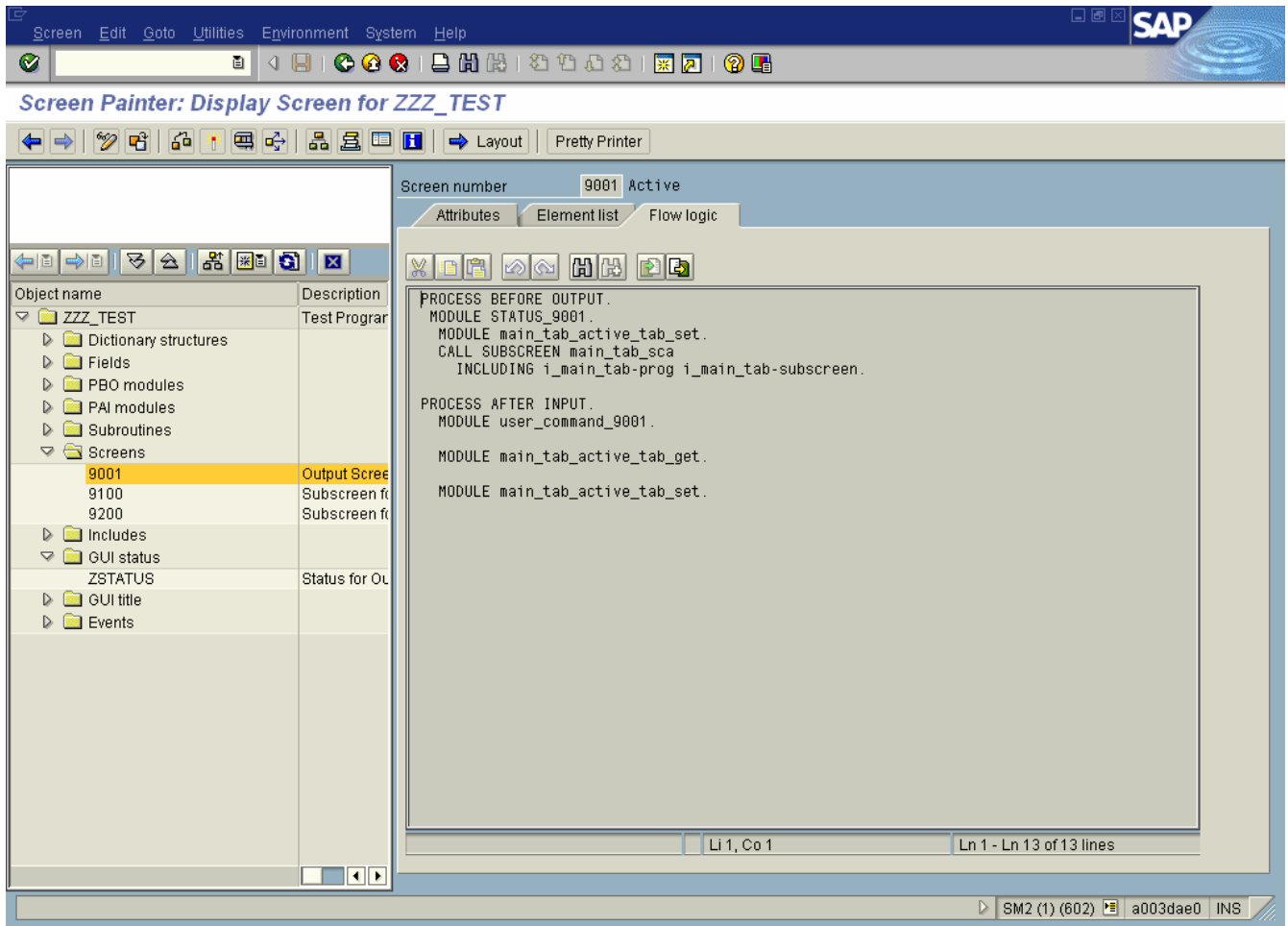
Tab Strip in ALV



Code

In the flow logic of the screen 9001, write the following code.

Tab Strip in ALV



```
*****
* 1/ Report Name: ZZZ_TEST
*****
* 2/ Description / Program functions
*****
*Program to display entries from mara and makt in alv tabstrip format
*****
* 3/ Responsibility
*****
* Author.....: Judith Jessie Selvi
* Creation Date.....: 28/03/2005
*****
```

```
REPORT zzz_test NO STANDARD PAGE HEADING
          MESSAGE-ID zz.
```

* The Data Declarations

```

INCLUDE zzm_test_alv_data.
* The Selection Screen Definition
INCLUDE zzm_test_alv_selscrn.
* The definition and implementation of the event reciever class
INCLUDE zzm_test_alv_class.
*****
* START-OF-SELECTION
*****
START-OF-SELECTION.

    PERFORM f1000_load_itabs.
*****
** END-OF-SELECTION
*****
END-OF-SELECTION.
*****
    IF NOT cb_disp IS INITIAL.
        CALL SCREEN 9001.
    ENDIF.

* Include for getting data
INCLUDE zzm_test_alv_forms.
* Include for PAI and PBO of screen
INCLUDE zzm_test_alv_screen.

* -----*
*   INCLUDE ZZM_TEST_ALV_DATA                               *
* -----*
* This include has all the data declaration defined
*****
* Author.....: Judith Jessie Selvi
* Creation Date.....: 28/03/2005
*****

*****
* Table Declarations:
*****
TABLES: mara,
        makt.

*****
* Internal Tables:
*****
* The following structure type must be defined in the data dictionary
DATA: i_fieldcat  TYPE lvc_t_fcat,
      i_fieldcat1 TYPE lvc_t_fcat,
      i_output1   TYPE STANDARD TABLE OF mara,
      i_output2   TYPE STANDARD TABLE OF makt,

*****
* Work Areas:
*****
      w_output1   TYPE STANDARD TABLE OF mara,
      w_output2   TYPE STANDARD TABLE OF makt.

*****
* Variable:
*****

```

```
DATA: lv_repid LIKE sy-repid.
lv_repid = sy-repid.
```

```
* -----*
* INCLUDE ZM_TEST_ALV_SELSCRN*
* -----*
*****
* Author.....: Judith Jessie Selvi
* Creation Date.....: 28/03/2005
*****
SELECTION-SCREEN BEGIN OF BLOCK b_main WITH FRAME TITLE text-001.
SELECTION-SCREEN SKIP 1.
PARAMETERS: cb_disp AS CHECKBOX.
SELECTION-SCREEN SKIP 1.

SELECTION-SCREEN END OF BLOCK b_main.

* -----*
* INCLUDE ZM_TEST_ALV_CLASS*
* -----*
* This include has all the data declaration defined for ALV
*****
* Author.....: Judith Jessie Selvi
* Creation Date.....: 28/03/2005
*****
INCLUDE <icon>.
* Predefine a local class for event handling to allow the
* declaration of a reference variable before the class is defined.

DATA : o_alvgrid1 TYPE REF TO cl_gui_alv_grid ,
       o_alvgrid2 TYPE REF TO cl_gui_alv_grid ,

       cont_for_cognos1 TYPE scrfname VALUE 'BCALC_GRID_01_9100',
       cont_for_cognos2 TYPE scrfname VALUE 'BCALC_GRID_01_9200',

       custom_container1 TYPE REF TO cl_gui_custom_container,
       custom_container2 TYPE REF TO cl_gui_custom_container,
* -----*
* Work Area*
* -----*
       w_layout TYPE lvc_s_layo ,
       w_variant TYPE disvariant.

* -----*
* Constants*
* -----*

CONSTANTS : c_lay(1) TYPE c VALUE 'A' . " All Layouts

CONSTANTS: BEGIN OF c_main_tab,
           tab1 LIKE sy-ucomm VALUE 'MAIN_TAB_FC1', "
           tab2 LIKE sy-ucomm VALUE 'MAIN_TAB_FC2', "
```

```

        END OF c_main_tab.
*-----*
*  INCLUDE ZSM_TEST_ALV_FORMS                                *
*-----*
* This Include has the various forms used in the program
*****
* Author.....: Judith Jessie Selvi
* Creation Date....: 28/03/2005
*****
*&-----*
*&      Form  f9001_build_field_cat
*&-----*
*      To Build Field Catalog
*-----*
*      -->P_I_FIELDCAT  text
*      -->P_0021      text
*-----*
FORM f9001_build_field_cat TABLES  p_fieldcat STRUCTURE lvc_s_fcat
        USING value(p_structure).

CALL FUNCTION 'LVC_FIELDCATALOG_MERGE'
  EXPORTING
    i_structure_name      = p_structure
  CHANGING
    ct_fieldcat           = p_fieldcat[]
  EXCEPTIONS
    inconsistent_interface = 1
    program_error         = 2
    OTHERS                 = 3.
IF sy-subrc <> 0.
  MESSAGE i005 WITH 'Error in ALV field catalogue creation'.
                                " text-e05.
  LEAVE LIST-PROCESSING.
ENDIF.
ENDFORM.                  " f9001_build_field_cat
*&-----*
*&      Form  f9000_objects_create
*&-----*
*      For creating Custom Containers
*-----*
*      --> p1          text
*      <-- p2          text
*-----*
FORM f9000_objects_create.

CREATE OBJECT custom_container1
  EXPORTING
    container_name = cont_for_cognos1
  EXCEPTIONS
    cntl_error = 1
    cntl_system_error = 2
    create_error = 3
    lifetime_error = 4
    lifetime_dynpro_dynpro_link = 5.

CREATE OBJECT custom_container2
  EXPORTING
    container_name = cont_for_cognos2

```

```

        EXCEPTIONS
            cntl_error = 1
            cntl_system_error = 2
            create_error = 3
            lifetime_error = 4
            lifetime_dynpro_dynpro_link = 5.
    IF sy-subrc NE 0.
* add your handling, for example
        CALL FUNCTION 'POPUP_TO_INFORM'
            EXPORTING
                titel = lv_repid
                txt2  = sy-subrc
                txt1  = 'The control could not be created'(510).
    ENDIF.

    CREATE OBJECT o_alvgrid1
        EXPORTING i_parent = custom_container1.
    CREATE OBJECT o_alvgrid2
        EXPORTING i_parent = custom_container2.

ENDFORM.                    " f9000_objects_create
*&-----*
*&      Form  f9003_layout
*&-----*
*      To define the layout
*-----*
*      -->P_SY_TITLE  text
*      -->P_0030      text
*      -->P_0031      text
*      -->P_0032      text
*-----*
FORM f9003_layout USING      value(ptitle)
                           value(pzebra)
                           value(pmode)
                           value(pwidth).

    w_layout-grid_title  = ptitle.
    w_layout-zebra       = pzebra.
    w_layout-sel_mode    = pmode.
    w_layout-cwidth_opt  = pwidth.
    w_variant-report     = sy-repid.

ENDFORM.                    " f9003_layout
*&-----*
*&      Form  f9006_error_handle
*&-----*
*      To handle event
*-----*
*      -->P_PTEXT  text
*-----*
FORM f9006_error_handle USING value(ptext).

    IF sy-subrc NE 0.
        CALL FUNCTION 'POPUP_TO_INFORM'
            EXPORTING
                titel = text-e03 " Error Note
                txt2  = sy-subrc
                txt1  = ptext.
    
```

```

ENDIF.

ENDFORM.                " f9006_error_handle
*-----*
*      FORM EXIT_PROGRAM      *
*-----*
FORM exit_program.

  CALL METHOD custom_container1->free.
  CALL METHOD custom_container2->free.

  CALL METHOD cl_gui_cfw=>flush.

  IF sy-subrc NE 0.
    CALL FUNCTION 'POPUP_TO_INFORM'
      EXPORTING
        titel = lv_repid
        txt2   = sy-subrc
        txt1   = 'Error in FFlush'(500).
  ENDIF.

ENDFORM.

*&-----*
*&      Form  f1000_load_itabs      *
*&-----*
*      Select from Database
*-----*
*  --> p1      text
*  <-- p2      text
*-----*
form f1000_load_itabs.

  SELECT * FROM mara
    INTO TABLE i_output1
    UP TO 50 rows.

  SELECT * FROM makl
    INTO TABLE i_output2
    UP TO 50 rows.

endform.                " f1000_load_itabs

*-----*
*      INCLUDE ZZM_TEST_ALV_SCREEN      *
*-----*
* 2/ Description / Include functions
*****
* This include contains PBO and PAI events for the screen of report
* ZZZJJ_TEST_ALV
*****
* 3/ Responsibility
*****
* Author.....: Judith Jessie Selvi
* Creation Date.....: 28/03/2005
*****
* DATA FOR TABSTRIP 'MAIN_TAB'

```

```
CONTROLS: main_tab TYPE TABSTRIP.
DATA: BEGIN OF i_main_tab,
       subscreen LIKE sy-dynnr,
       prog      LIKE sy-repid VALUE
           'ZZZ_TEST',
       pressed_tab LIKE sy-ucomm VALUE c_main_tab-tab1,
END OF i_main_tab.
```

```
*&-----*
*&      Module STATUS_9001  OUTPUT
*&-----*
*      text
*-----*
```

```
MODULE status_9001 OUTPUT.
```

```
IF custom_container1 IS INITIAL.
  SET PF-STATUS 'ZSTATUS'.
  SET TITLEBAR 'ZTITLE'.
```

```
*   Creating Object
  PERFORM f9000_objects_create.
*   Building the field catalog
  PERFORM f9001_build_field_cat TABLES i_fieldcat
      USING 'MARA'.
  PERFORM f9001_build_field_cat TABLES i_fieldcat1
      USING 'MAKT'.
*   Modifying the field catalog
*   PERFORM f9002_modify_field_cat TABLES i_fieldcat.
*   For Layout
  PERFORM f9003_layout USING sy-title 'X' 'B' 'X'.
ENDIF.
ENDMODULE.          " STATUS_9001  OUTPUT
```

```
*&-----*
*&      Module MAIN_TAB_ACTIVE_TAB_SET  OUTPUT
*&-----*
*      Call method to display in the output grid
*-----*
```

```
MODULE main_tab_active_tab_set OUTPUT.
```

```
main_tab-activetab = i_main_tab-pressed_tab.
```

```
CASE i_main_tab-pressed_tab.
```

```
  WHEN c_main_tab-tab1.
```

```
*   To display report
    i_main_tab-subscreen = '9100'.
```

```
    CALL METHOD o_alvgrid1->set_table_for_first_display
    EXPORTING
```

```
        is_variant          = w_variant
```

```
        i_save              = c_lay
```

```
        is_layout          = w_layout
```

```
    CHANGING
```

```
        it_outtab          = i_output1[]
```

```
        it_fieldcatalog    = i_fieldcat[]
```

```
    EXCEPTIONS
```

```
        invalid_parameter_combination = 1
```

```
        program_error          = 2
```

```
        too_many_lines        = 3
```

```

        OTHERS                                = 4.
IF sy-subrc <> 0.
    MESSAGE i000 WITH text-e06."Error in ALV report display
    LEAVE LIST-PROCESSING.
ENDIF.

WHEN c_main_tab-tab2.
*   To display report
    i_main_tab-subscreen = '9200'.

    CALL METHOD o_alvgrid2->set_table_for_first_display
    EXPORTING
        is_variant          = w_variant
        i_save              = c_lay
        is_layout           = w_layout
    CHANGING
        it_outtab           = i_output2[]
        it_fieldcatalog     = i_fieldcat1[]
    EXCEPTIONS
        invalid_parameter_combination = 1
        program_error         = 2
        too_many_lines        = 3
        OTHERS                = 4.
IF sy-subrc <> 0.
    MESSAGE i005 WITH text-e06."Error in ALV report display
    LEAVE LIST-PROCESSING.
ENDIF.

WHEN OTHERS.
*   DO NOTHING
ENDCASE.

ENDMODULE.                                "MAIN_TAB_ACTIVE_TAB_SET OUTPUT
*&-----*
*&      Module MAIN_TAB_ACTIVE_TAB_GET INPUT
*&-----*
*      Check & Process the selected Tab
*-----*
MODULE main_tab_active_tab_get INPUT.

CASE sy-ucomm.
    WHEN c_main_tab-tab1.
        i_main_tab-pressed_tab = c_main_tab-tab1.
    WHEN c_main_tab-tab2.
        i_main_tab-pressed_tab = c_main_tab-tab2.
    WHEN OTHERS.
*       DO NOTHING
ENDCASE.

ENDMODULE.                                "MAIN_TAB_ACTIVE_TAB_GET INPUT
*&-----*
*&      Module USER_COMMAND_9001 INPUT
*&-----*
*      User Command
*-----*
MODULE user_command_9001 INPUT.

```

```
CASE sy-ucomm.
  WHEN 'BACK'.
    PERFORM exit_program.
    SET SCREEN '0'.
  WHEN 'EXIT' OR 'CANC'.
    PERFORM exit_program.
    LEAVE PROGRAM.
ENDCASE.

ENDMODULE.                                "USER_COMMAND_9000 INPUT
*&-----*
*&      Module MAIN_TAB_ACTIVE_TAB_SET INPUT
*&-----*
*      Set sunscreen
*-----*
MODULE main_tab_active_tab_set INPUT.

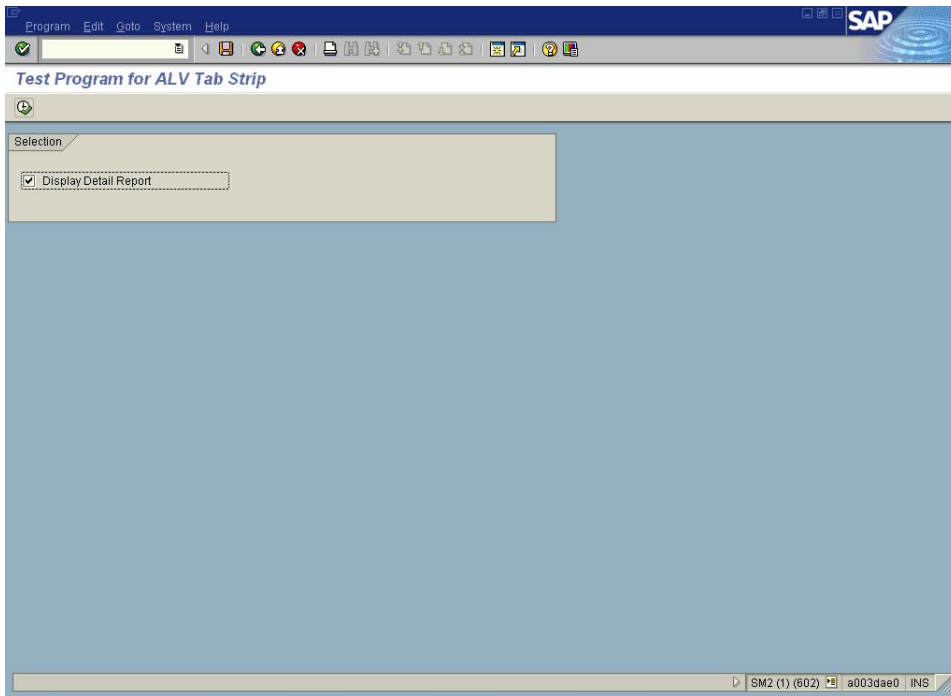
  main_tab-activetab = i_main_tab-pressed_tab.
  CASE i_main_tab-pressed_tab.
    WHEN c_main_tab-tab1.
      i_main_tab-subscreen = '9100'.
    WHEN c_main_tab-tab2.
      i_main_tab-subscreen = '9200'.
    WHEN OTHERS.
      *      DO NOTHING
  ENDCASE.

ENDMODULE.                                "MAIN_TAB_ACTIVE_TAB_SET INPUT
```

Output Screens

Press F8.

Tab Strip in ALV



F8

Tab Strip in ALV

System Help

ALV Output Using TabStrip

Output1 Output2

ALV Output Using TabStrip

Material	Created on	Created by	Last change	Changed by	Maint. stat	Status	CIt	Matl type	Matl group	Matl no.	BUn	OUn	Document	Type	Ver
90003071	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001154	PKG			
90003072	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001155	BOX			
90003074	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001157	BOX			
90003073	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001156	PKG			
90003075	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001158	BOX			
90003079	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001163	BOX			
90003076	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001159	BOX			
90003078	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001161	BOX			
90003077	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001160	BOX			
90003080	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001164	BOX			
90003082	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001166	PKG			
90003081	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001165	BOX			
90003083	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001167	BOX			
90003087	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001171	BOX			
90003085	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001169	BOX			
90003084	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001168	PKG			
90003088	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001172	BOX			
90003086	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001170	PKG			
90003091	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-000600	P97001178	BOX			
90003090	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001176	BOX			
90003089	02/12/2004	OGBOC001	02/20/2004	CONV_C2C04	KCV	KCV	X	ZPOS	Z	D-001701	P97001175	BOX			

SM2 (1) (602) a003dae0 INS

Press the next output tab2 (default will be the first tab)

The first output1 will display the entries in the MARA table

The output2 will display the entries in the MAKI table

Tab Strip in ALV

System Help

ALV Output Using TabStrip

Output1 Output2

ALV Output Using TabStrip

Material	Language	Material description	Material description
12051	EN	4500 GAL,TANKER,DP,REGULAR,FTN SYRUP	4500 GAL,TANKER,DP,REGULAR,FTN SYRUP
12104	EN	2.5 GAL,BIB,CT,LEMONADE,FTN SYRUP	2.5 GAL,BIB,CT,LEMONADE,FTN SYRUP
12105	EN	2.5 GAL,BIB,CT,PK LEMONADE,FTN SYRUP	2.5 GAL,BIB,CT,PK LEMONADE,FTN SYRUP
12106	EN	2.5 GAL,BIB,DP,REGULAR,FCB SYRUP	2.5 GAL,BIB,DP,REGULAR,FCB SYRUP
12107	EN	4/1 GAL,BTL,DP,REGULAR,FTN SYRUP	4/1 GAL,BTL,DP,REGULAR,FTN SYRUP
12109	EN	5 GAL,BIB,DP,REGULAR,FTN SYRUP	5 GAL,BIB,DP,REGULAR,FTN SYRUP
12110	EN	2.5 GAL,BIB,DP,REGULAR,FTN SYRUP	2.5 GAL,BIB,DP,REGULAR,FTN SYRUP
12111	EN	54 GAL,DRUM,DP,REGULAR,FTN SYRUP	54 GAL,DRUM,DP,REGULAR,FTN SYRUP
12112	EN	54 GAL,DRUM,DP,DIET,FTN SYRUP	54 GAL,DRUM,DP,DIET,FTN SYRUP
12113	EN	4/1 GAL,BTL,DP,DIET,FTN SYRUP	4/1 GAL,BTL,DP,DIET,FTN SYRUP
12114	EN	5 GAL,BIB,DP,DIET,FTN SYRUP	5 GAL,BIB,DP,DIET,FTN SYRUP
12115	EN	2.5 GAL,BIB,DP,DIET,FTN SYRUP	2.5 GAL,BIB,DP,DIET,FTN SYRUP
12116	EN	5 GAL,BIB,DP,REGULAR,FCB SYRUP	5 GAL,BIB,DP,REGULAR,FCB SYRUP
12117	EN	2.5 GAL,BIB,RF,REGULAR,FTN SYRUP	2.5 GAL,BIB,RF,REGULAR,FTN SYRUP
12118	EN	5 GAL,BIB,RF,REGULAR,FTN SYRUP	5 GAL,BIB,RF,REGULAR,FTN SYRUP
12119	EN	5 GAL,BIB,SU,REGULAR,FTN SYRUP	5 GAL,BIB,SU,REGULAR,FTN SYRUP
12120	EN	4/1 GAL,BTL,SU,DIET,FTN SYRUP	4/1 GAL,BTL,SU,DIET,FTN SYRUP
12121	EN	4/1 GAL,BTL,SU,REGULAR,FTN SYRUP	4/1 GAL,BTL,SU,REGULAR,FTN SYRUP
12122	EN	4/1 GAL,BTL,SU,CHERRY,FTN SYRUP	4/1 GAL,BTL,SU,CHERRY,FTN SYRUP
12123	EN	2.5 GAL,BIB,SU,REGULAR,FTN SYRUP	2.5 GAL,BIB,SU,REGULAR,FTN SYRUP
12124	EN	5 GAL,BIB,SU,REGULAR,FCB SYRUP	5 GAL,BIB,SU,REGULAR,FCB SYRUP
12125	EN	2.5 GAL,BIB,SU,REGULAR,FCB SYRUP	2.5 GAL,BIB,SU,REGULAR,FCB SYRUP

SM2 (1) (602) a003dae0 INS

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Author Bio



Working as Senior Software Engineer in Wipro Technologies.

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