

```

REPORT ZALV_INTMENUTOOL.
*Author : Swarna.S.
*AS : Simple ALV with user defined menu in toolbar
*Class declarations
CLASS lcl_event_receiver DEFINITION DEFERRED.

*type pool declarations
TYPE-POOLS : icon.

*Internal table and work area declarations for dd02l
DATA: it_dd02l  TYPE TABLE OF dd02l,
      wa_dd02l TYPE dd02l.

*Data declaration for alv.
DATA :it_layout  TYPE lvc_s_layo,
      it_toolbar TYPE stb_button,
      c_alv      TYPE REF TO cl_gui_alv_grid,
      custom_container TYPE REF TO cl_gui_custom_container,
      event_receiver TYPE REF TO lcl_event_receiver.

*Select options multiple values no ranges
SELECT-OPTIONS : s_table FOR wa_dd02l-tabname NO INTERVALS.

*Initialization event
INITIALIZATION.

*Start of selection event
START-OF-SELECTION.

*sUBROUTINE FOR ALV DISPLAY
  PERFORM alvdisplay.

*Class definition
CLASS lcl_event_receiver DEFINITION.

  PUBLIC SECTION.

  CLASS-METHODS:

*handling toolbar for interactive
  handle_toolbar
    FOR EVENT toolbar OF cl_gui_alv_grid
    IMPORTING e_object e_interactive,

*handling menu button
  handle_menu_button
    FOR EVENT menu_button OF cl_gui_alv_grid
    IMPORTING e_object e_ucomm,

*On click of the menu button
  handle_user_command
    FOR EVENT user_command OF cl_gui_alv_grid
    IMPORTING e_ucomm.

  PRIVATE SECTION.

ENDCLASS.                                "lcl_event_receiver DEFINITION

*Class implementation
CLASS lcl_event_receiver IMPLEMENTATION.

  METHOD handle_toolbar.

```

```

* handle toolbar

  CLEAR it_toolbar.

  MOVE 'DETAIL' TO it_toolbar-function.
  MOVE icon_detail TO it_toolbar-icon.
  MOVE 2 TO it_toolbar-butn_type.
  APPEND it_toolbar TO e_object->mt_toolbar.

ENDMETHOD.                                "handle_toolbar

METHOD handle_menu_button.

* handle own menubuttons
  IF e_ucomm = 'DETAIL'.
    CALL METHOD e_object->add_function
      EXPORTING
        fcode = 'DISPLAY'
        text = 'DISPLAY'.
  ENDIF.
ENDMETHOD.                                "handle_menu_button

METHOD handle_user_command.

*On click
  CASE e_ucomm.
    WHEN 'DISPLAY'.
      MESSAGE 'Menu Clicked' TYPE 'I'.

  ENDCASE.
ENDMETHOD.                                "handle_user_command
ENDCLASS.                                  "lcl_event_receiver IMPLEMENTATION

*&-----*
*&      Module  PBO  OUTPUT
*&-----*
*      text
*-----*
MODULE pbo OUTPUT.

  IF custom_container IS INITIAL.
* select data from table dd021
    PERFORM fetch_dd021.

* create a custom container control for our ALV Control
    CREATE OBJECT custom_container
      EXPORTING
        container_name = 'CCONT'.

* create an instance of alv control
    CREATE OBJECT c_alv
      EXPORTING i_parent = custom_container.

* Set a titlebar for the grid control

    it_layout-grid_title = 'TABLE DETAILS'.

*ALV display
    CALL METHOD c_alv->set_table_for_first_display

```

```

EXPORTING
  i_structure_name = 'dd021'
  is_layout        = it_layout
CHANGING
  it_outtab        = it_dd021.

*Handlers for the events
CREATE OBJECT event_receiver.
SET HANDLER event_receiver->handle_user_command
            event_receiver->handle_menu_button
            event_receiver->handle_toolbar FOR ALL INSTANCES.

*Calling the interactive toolbar method of ALV
CALL METHOD c_alv->set_toolbar_interactive.
ENDIF.

ENDMODULE.                                " PBO OUTPUT
*&-----*
*&      Module PAI INPUT                   *
*&-----*
*      text                               *
*-----*
MODULE pai INPUT.

ENDMODULE.                                " PAI INPUT

*&-----*
*&      form fetch_dd021                  *
*&-----*
*      text                               *
*-----*

*Subroutine to fetch data
FORM fetch_dd021.

  SELECT * FROM dd021 INTO CORRESPONDING FIELDS OF TABLE it_dd021 WHERE
  tabname IN s_table.

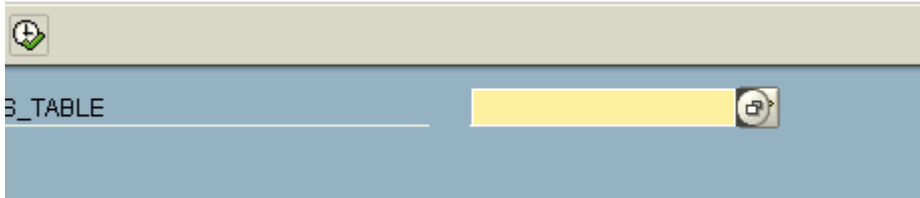
ENDFORM.                                " SELECT_TABLE_dd021
*&-----*
*&      Form ALVDISPLAY                   *
*&-----*
*      text                               *
*-----*
* --> p1      text                       *
* <-- p2      text                       *
*-----*
FORM alvdisplay .

* ALV output
SET SCREEN 600.

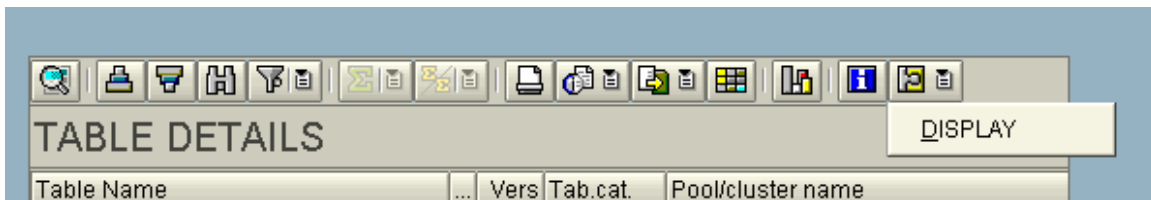
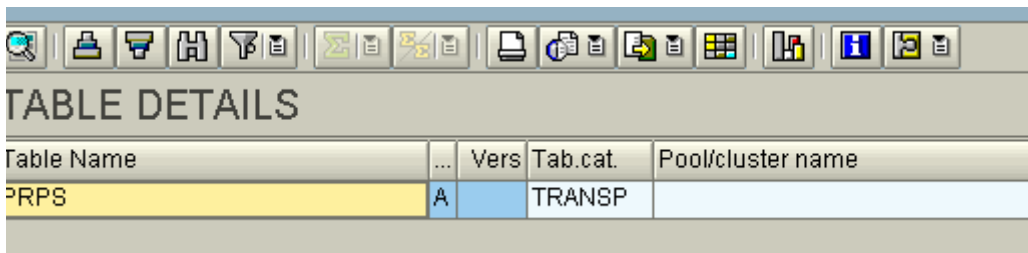
ENDFORM.                                " ALVDISPLAY

```

Selection screen



On F8,



On clicking the DISPLAY

