

```

REPORT yreporte_alv_ej1.
*&-----
-*
*& Report  YREPORTE_ALV_EJ1
*&
*&-----
-* Reporte básico ALV del tipo GRID y LIST
*&
*&
*&-----
TYPE-POOLS: slis.
*DATA DECLARATIONS
DATA: gt_ekpo TYPE TABLE OF ekpo,
      gs_ekpo TYPE ekpo.

*ALV DECLARATIONS
DATA: gt_fieldcat TYPE slis_t_fieldcat_alv,
      gs_fieldcat TYPE slis_t_fieldcat_alv,
      gt_sortcat  TYPE slis_t_sortinfo_alv.

DATA: gt_events TYPE slis_t_event,
      gs_events LIKE LINE OF gt_events.

DATA: gt_heading TYPE slis_t_listheader,
      gs_heading LIKE LINE OF gt_heading.

DATA: v_pos TYPE i.

START-OF-SELECTION.

    PERFORM f_get_data.
    PERFORM f_create_fcat.
    PERFORM f_get_events.
    PERFORM f_field_sort.
    PERFORM f_display_data.

END-OF-SELECTION.

*&-----
-*
*& Form  GET_DATA
*&-----
-*
*      text
*-----
FORM f_get_data.

    SELECT * FROM ekpo INTO TABLE gt_ekpo
          UP TO 15 ROWS.

ENDFORM.                " GET_DATA

*&-----
-*
*& Form  DISPLAY_DATA
*&-----
-*
*      text
*-----
FORM f_display_data.

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DATA: ls_layout TYPE slis_layout_alv.

ls_layout-colwidth_optimize = 'X'.
ls_layout-zebra             = 'X'.

CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
  EXPORTING
    i_callback_program = sy-repid
    is_layout           = ls_layout
    it_fieldcat         = gt_fieldcat
*   it_sort             = gt_sortcat
    it_events          = gt_events
  TABLES
    t_outtab           = gt_ekpo.

IF sy-subrc <> 0.
* Implement suitable error handling here
ENDIF.

ENDFORM.                    " DISPLAY_DATA

*&-----
*
*&      Form  CREATE_FCAT
*&-----
*
*      text
*-----
*
FORM f_create_fcat.

  v_pos = 1.
  gs_fieldcat-fieldname = 'EBELN'.
  gs_fieldcat-ref_tabname = 'EKPO'.
  APPEND gs_fieldcat TO gt_fieldcat.
  CLEAR gs_fieldcat.

  v_pos = v_pos + 1.
  gs_fieldcat-fieldname = 'EBELP'.
  gs_fieldcat-ref_tabname = 'EKPO'.
  APPEND gs_fieldcat TO gt_fieldcat.
  CLEAR gs_fieldcat.

  v_pos = v_pos + 1.
  gs_fieldcat-fieldname = 'AEDAT'.
  gs_fieldcat-ref_tabname = 'EKPO'.
  APPEND gs_fieldcat TO gt_fieldcat.
  CLEAR gs_fieldcat.

  v_pos = v_pos + 1.
  gs_fieldcat-fieldname = 'TXZ01'.
  gs_fieldcat-ref_tabname = 'EKPO'.
  APPEND gs_fieldcat TO gt_fieldcat.
  CLEAR gs_fieldcat.

  v_pos = v_pos + 1.
  gs_fieldcat-fieldname = 'WERKS'.
  gs_fieldcat-ref_tabname = 'EKPO'.
  APPEND gs_fieldcat TO gt_fieldcat.
  CLEAR gs_fieldcat.

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v_pos = v_pos + 1.
gs_fieldcat-fieldname = 'LGORT'.
gs_fieldcat-ref_tabname = 'EKPO'.
APPEND gs_fieldcat TO gt_fieldcat.
CLEAR gs_fieldcat.

v_pos = v_pos + 1.
gs_fieldcat-fieldname = 'MENGE'.
gs_fieldcat-ref_tabname = 'EKPO'.
* gs_fieldcat-do_sum = 'X'.
APPEND gs_fieldcat TO gt_fieldcat.
CLEAR gs_fieldcat.

* v_pos = v_pos + 1.
* gs_fieldcat-fieldname = 'MEINS'.
* gs_fieldcat-ref_tabname = 'EKPO'.
* APPEND gs_fieldcat TO gt_fieldcat.
* CLEAR gs_fieldcat.

ENDFORM.                                " CREATE_FCAT
*&-----
-*
*&      Form  GET_EVENTS
*&-----
-*
*      text
*-----
-*
FORM f_get_events.

    CALL FUNCTION 'REUSE_ALV_EVENTS_GET'
* EXPORTING
*   I_LIST_TYPE          = 0
    IMPORTING
        et_events = gt_events.

    READ TABLE gt_events INTO gs_events WITH KEY name = 'TOP_OF_PAGE'.
    IF sy-subrc IS INITIAL.
        gs_events-form = 'FORM_TOP_OF_PAGE'.
        MODIFY gt_events FROM gs_events INDEX sy-tabix .
    ENDIF.

*****END OF LIST
    READ TABLE gt_events INTO gs_events WITH KEY name = 'END_OF_LIST'.
    IF sy-subrc IS INITIAL.
        gs_events-form = 'FORM_END_OF_LIST' .
        MODIFY gt_events FROM gs_events INDEX sy-tabix.
    ENDIF.

ENDFORM.                                " GET_EVENTS
*&-----
-*
*&      Form  FORM_TOP_OF_PAGE
*&-----
-*
*      text
*-----
-*
FORM form_top_of_page.

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```

REFRESH gt_heading.
CLEAR gs_heading.

gs_heading-typ = 'H'.
* gs_heading-KEY = 'H' .
gs_heading-info = 'Purchasing Document REPORT'.
APPEND gs_heading TO gt_heading.

gs_heading-typ = 'S'.
gs_heading-key = 'USERNAME'.
gs_heading-info = sy-uname.
APPEND gs_heading TO gt_heading.

gs_heading-typ = 'S'.
gs_heading-key = 'DATE'.
gs_heading-info = sy-datum.
APPEND gs_heading TO gt_heading.

CALL FUNCTION 'REUSE_ALV_COMMENTARY_WRITE'
  EXPORTING
    it_list_commentary = gt_heading
    i_logo              = 'ENJOYSAP_LOGO'.

ENDFORM.                    "FORM_TOP_OF_PAGE

*&-----
*&
*&      Form  FORM_END_OF_LIST
*&-----
*&
*&      text
*&-----

FORM form_end_of_list.

REFRESH gt_heading.
CLEAR gs_heading.

gs_heading-typ = 'S' .
gs_heading-info = 'Totales'.
APPEND gs_heading TO gt_heading .

CALL FUNCTION 'REUSE_ALV_COMMENTARY_WRITE'
  EXPORTING
    it_list_commentary = gt_heading
    i_end_of_list_grid = 'X'.

ENDFORM .                    "FORM_END_OF_LIST

FORM f_field_sort.

DATA: ls_sort TYPE slis_sortinfo_alv.

ls_sort-fieldname = 'EBELN'.
ls_sort-spos      = 1.
ls_sort-up        = 'X'.
ls_sort-subtot    = 'X'.
* ls_sort-expa     = 'X'. " Sirve para que salgan los subtotales pl
egados
APPEND ls_sort TO gt_sortcat.

ENDFORM.

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