\*&---------------------------------------------------------------------\*  
\*& Module Pool       SAPMZTABLE\_01  
\*&  
\*&---------------------------------------------------------------------\*  
\*&  
\*&  
\*&---------------------------------------------------------------------\*  
  
  
INCLUDE MZTABLE\_01TOP                           .    " global Data  
  
 INCLUDE MZTABLE\_01O01                           .  " PBO-Modules  
 INCLUDE MZTABLE\_01I01                           .  " PAI-Modules  
 INCLUDE MZTABLE\_01F01                           .  " FORM-Routines

\*&---------------------------------------------------------------------\*  
\*& Include MZTABLE\_01TOP                                     Module Pool      SAPMZTABLE\_01  
\*&  
\*&---------------------------------------------------------------------\*  
  
PROGRAM  sapmztable\_01.  
DATA:  
      wa\_ekko TYPE ekko,  
      wa\_ekpo TYPE ekpo,  
      it\_ekpo TYPE TABLE OF ekpo.  
  
DATA: g\_ebeln TYPE ekko-ebeln.  
CONTROLS g\_table TYPE TABLEVIEW USING SCREEN 200.  
DATA: okcode TYPE sy-ucomm.  
  
" PO Details  
DATA: purchaseorder TYPE bapimepoheader-po\_number,  
      poheader      TYPE bapimepoheader,  
      poheaderx     TYPE bapimepoheaderx,  
      poitem        TYPE TABLE OF bapimepoitem,  
      poitemx       TYPE TABLE OF bapimepoitemx,  
      return        TYPE TABLE OF bapiret2.

\*&---------------------------------------------------------------------\*  
\*&  Include           MZTABLE\_01O01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Module  STATUS\_0001  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE status\_0001 OUTPUT.  
\*  SET PF-STATUS 'xxxxxxxx'.  
\*  SET TITLEBAR 'xxx'.  
  CASE okcode.  
    WHEN 'EDIT'.  
      SET PF-STATUS 'STATUS\_1'.  
    WHEN OTHERS.  
      SET PF-STATUS 'STATUS\_0'.  
  ENDCASE.  
ENDMODULE.                 " STATUS\_0001  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  STATUS\_0100  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE status\_0100 OUTPUT.  
\*  SET PF-STATUS 'xxxxxxxx'.  
\*  SET TITLEBAR 'xxx'.  
  LOOP AT SCREEN.  
    CASE okcode.  
      WHEN 'EDIT'.  
        IF screen-name = 'WA\_EKKO-LOEKZ'.  
          screen-input = 1.  
        ELSE.  
          screen-input = 0.  
        ENDIF.  
      WHEN OTHERS.  
        screen-input = 0.  
    ENDCASE.  
    MODIFY SCREEN.  
  ENDLOOP.  
ENDMODULE.                 " STATUS\_0100  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  STATUS\_0200  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE status\_0200 OUTPUT.  
\*  SET PF-STATUS 'xxxxxxxx'.  
\*  SET TITLEBAR 'xxx'.  
  
ENDMODULE.                 " STATUS\_0100  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  MODIFY\_SCREEN  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE modify\_screen OUTPUT.  
  CASE okcode.  
    WHEN 'EDIT'.  
      LOOP AT SCREEN.  
        IF screen-name = 'WA\_EKPO-TXZ01'.  
          screen-input = 1.  
        ELSE.  
          screen-input = 0.  
        ENDIF.  
        MODIFY SCREEN.  
      ENDLOOP.  
    WHEN OTHERS.  
      LOOP AT SCREEN.  
        screen-input = 0.  
        MODIFY SCREEN.  
      ENDLOOP.  
  ENDCASE.  
ENDMODULE.                 " MODIFY\_SCREEN  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  MODIFY\_TABLE  OUTPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE modify\_table OUTPUT.  
  DATA: wa\_col TYPE scxtab\_column.  
  LOOP AT g\_table-cols INTO wa\_col.  
    CASE okcode.  
      WHEN 'EDIT'.  
        IF wa\_col-screen-name = 'WA\_EKPO-TXZ01'.  
          wa\_col-screen-input = 1.  
        ELSE.  
          wa\_col-screen-input = 0.  
        ENDIF.  
      WHEN others.  
        wa\_col-screen-input = 0.  
    ENDCASE.  
    MODIFY g\_table-cols FROM wa\_col INDEX sy-tabix.  
  ENDLOOP.  
ENDMODULE.                 " MODIFY\_TABLE  OUTPUT

\*&---------------------------------------------------------------------\*  
\*&  Include           MZTABLE\_01I01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0001  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE user\_command\_0001 INPUT.  
  CASE okcode.  
    WHEN 'DISP'.  
      SELECT SINGLE \*  
        FROM ekko  
        INTO wa\_ekko  
        WHERE ebeln = g\_ebeln.  
      IF sy-subrc = 0.  
        SELECT \*  
          FROM ekpo  
          INTO TABLE it\_ekpo  
          WHERE ebeln = g\_ebeln.  
      ENDIF.  
    WHEN 'CLR'.  
    WHEN 'SAVE'.  
      PERFORM change\_po.  
  ENDCASE.  
ENDMODULE.                 " USER\_COMMAND\_0001  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0100  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE user\_command\_0100 INPUT.  
  
ENDMODULE.                 " USER\_COMMAND\_0100  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0200  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE user\_command\_0200 INPUT.  
  
ENDMODULE.                 " USER\_COMMAND\_0200  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  VALIDATE\_EBELN  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE validate\_ebeln INPUT.  
  DATA: l\_ebeln TYPE ebeln.  
  SELECT SINGLE ebeln  
    FROM ekko  
    INTO l\_ebeln  
    WHERE ebeln = g\_ebeln.  
  IF sy-subrc NE 0.  
    MESSAGE 'Purchase Doc not found' TYPE 'E'.  
  ENDIF.  
ENDMODULE.                 " VALIDATE\_EBELN  INPUT  
\*&---------------------------------------------------------------------\*  
\*&      Module  MODIFY\_ITAB  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE modify\_itab INPUT.  
  DATA: lwa\_ekpo TYPE ekpo.  
  DATA: l\_lines TYPE i.  
  DATA: l\_change TYPE c.  
  IF okcode = 'EDIT'.  
    DESCRIBE TABLE it\_ekpo LINES l\_lines.  
    IF l\_lines GE g\_table-current\_line.  
      READ TABLE it\_ekpo INTO lwa\_ekpo INDEX g\_table-current\_line.  
      IF sy-subrc = 0.  
        "Calculate Price  
        IF wa\_ekpo-menge NE lwa\_ekpo-menge.  
          wa\_ekpo-netwr = wa\_ekpo-menge \* wa\_ekpo-netpr.  
          wa\_ekpo-brtwr = wa\_ekpo-menge \* wa\_ekpo-netpr.  
          l\_change = 'X'.  
        ENDIF.  
        "Change Text  
        IF wa\_ekpo-txz01 NE lwa\_ekpo-txz01.  
          l\_change = 'X'.  
        ENDIF.  
        IF l\_change = 'X'.  
          CLEAR l\_change.  
          MODIFY it\_ekpo FROM wa\_ekpo INDEX sy-tabix.  
        ENDIF.  
      ENDIF.  
    ENDIF.  
  ENDIF.  
ENDMODULE.                 " MODIFY\_ITAB  INPUT

\*&---------------------------------------------------------------------\*  
\*&  Include           MZTABLE\_01F01  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&      Form  CHANGE\_PO  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM change\_po .  
  PERFORM clear\_values.  
  PERFORM fill\_header.  
  PERFORM fill\_item.  
  PERFORM update\_po.  
ENDFORM.                    " CHANGE\_PO  
\*&---------------------------------------------------------------------\*  
\*&      Form  FILL\_HEADER  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM fill\_header .  
  
  purchaseorder = g\_ebeln.  
  poheader-po\_number = g\_ebeln.  
  poheader-delete\_ind = wa\_ekko-loekz.  
  
  poheaderx-delete\_ind = 'X'.  
ENDFORM.                    " FILL\_HEADER  
\*&---------------------------------------------------------------------\*  
\*&      Form  FILL\_ITEM  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM fill\_item .  
  DATA: lwa\_ekpo TYPE ekpo,  
        lwa\_item  TYPE bapimepoitem,  
        lwa\_itemx TYPE bapimepoitemx.  
  LOOP AT it\_ekpo INTO lwa\_ekpo.  
    MOVE:  
    lwa\_ekpo-ebelp    TO lwa\_item-po\_item,  
    lwa\_ekpo-txz01    TO lwa\_item-short\_text,  
  
  
    lwa\_ekpo-ebelp    TO lwa\_itemx-po\_item,  
    'X'               TO lwa\_itemx-po\_itemx,  
    'X'               TO lwa\_itemx-short\_text.  
    APPEND lwa\_item   TO poitem.  
    APPEND lwa\_itemx  TO poitemx.  
  ENDLOOP.  
ENDFORM.                    " FILL\_ITEM  
\*&---------------------------------------------------------------------\*  
\*&      Form  UPDATE\_PO  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM update\_po .  
  DATA: wa\_return TYPE bapiret2.  
  CALL FUNCTION 'BAPI\_PO\_CHANGE'  
    EXPORTING  
      purchaseorder = purchaseorder  
      poheader      = poheader  
      poheaderx     = poheaderx  
    TABLES  
      return        = return  
      poitem        = poitem  
      poitemx       = poitemx.  
  LOOP AT return TRANSPORTING NO FIELDS WHERE type = 'E' OR type = 'A'.  
    EXIT.  
  ENDLOOP.  
  IF sy-subrc = 0.  
    CALL FUNCTION 'BAPI\_TRANSACTION\_ROLLBACK'.  
  ELSE.  
    CALL FUNCTION 'BAPI\_TRANSACTION\_COMMIT'.  
  ENDIF.  
ENDFORM.                    " UPDATE\_PO  
\*&---------------------------------------------------------------------\*  
\*&      Form  CLEAR\_VALUES  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
\*  -->  p1        text  
\*  <--  p2        text  
\*----------------------------------------------------------------------\*  
FORM clear\_values .  
  
ENDFORM.                    " CLEAR\_VALUES

PROCESS BEFORE OUTPUT.  
  MODULE status\_0001.  
  CALL SUBSCREEN head INCLUDING sy-repid '0100'.  
  CALL SUBSCREEN item INCLUDING sy-repid '0200'.  
*\**  
PROCESS AFTER INPUT.  
  CHAIN.  
    FIELD g\_ebeln MODULE validate\_ebeln.  
  ENDCHAIN.  
  CALL SUBSCREEN head.  
  CALL SUBSCREEN item.  
  MODULE user\_command\_0001.

PROCESS BEFORE OUTPUT.  
 MODULE STATUS\_0100.  
*\**  
PROCESS AFTER INPUT.  
 MODULE USER\_COMMAND\_0100.

PROCESS BEFORE OUTPUT.  
  MODULE status\_0200.  
  MODULE modify\_table.  
  LOOP AT it\_ekpo INTO wa\_ekpo  
                  WITH CONTROL g\_table.  
  ENDLOOP.  
*\**  
PROCESS AFTER INPUT.  
  LOOP AT it\_ekpo.  
    MODULE modify\_itab.  
  ENDLOOP.  
  MODULE user\_command\_0200.