Program on subroutines

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_P\_SUBROUTINES  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_P\_SUBROUTINES.  
  
\*\*\*\*#1 call by value  
\*data a type i value 20.  
  
\*perform sub using a.  
\*write a.  
\*&---------------------------------------------------------------------\*  
\*& Form sub  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*&      --> A  
\*&---------------------------------------------------------------------\*  
\*FORM sub  USING value(p\_a).  
\*  
\*p\_a = 50.  
\*ENDFORM.  
  
  
\*\*\*\*\*\*\*call by reference  
  
\*DATA A TYPE I VALUE 20.  
\*  
\*PERFORM SUB1 CHANGING A.  
\*  
\*WRITE a.  
\*\*&---------------------------------------------------------------------\*  
\*\*& Form SUB1  
\*\*&---------------------------------------------------------------------\*  
\*FORM sub1  CHANGING p\_a.  
\*  
\*p\_a  = 50.  
\*  
\*ENDFORM.  
  
\*\*\*\*\*# call by reference using subroutine  
  
\*data a type i value 10.  
\*  
\*perform sub1 changing a.  
\*\*&---------------------------------------------------------------------\*  
\*\*& Form sub1  
\*\*&---------------------------------------------------------------------\*  
\*\*& text  
\*\*&---------------------------------------------------------------------\*  
\*\*&      <-- A  
\*\*&---------------------------------------------------------------------\*  
\*FORM sub1  CHANGING value(p\_a).  
\*  
\*ENDFORM.  
  
  
\*\*\*\*\*\*factorial  
  
\*data : num type i value 5,  
\*      fac type i.  
\*  
\*perform fact using num CHANGING fac.  
\*write : fac.  
\*\*&---------------------------------------------------------------------\*  
\*\*& Form fact  
\*\*&---------------------------------------------------------------------\*  
\*\*& text  
\*\*&---------------------------------------------------------------------\*  
\*\*&      --> NUM  
\*\*&      <-- FAC  
\*\*&---------------------------------------------------------------------\*  
\*FORM fact  USING    value(p\_num)  
\*           CHANGING p\_fac.  
\*  p\_fac = 1.  
\*      WHILE p\_num GE 1.  
\*        p\_fac = p\_fac \* p\_num.  
\*        p\_num = p\_num - 1.  
\*      ENDWHILE.  
\*  
\*  
\*ENDFORM.  
  
  
DATA: num1 TYPE i,  
      num2 TYPE i,  
      sum  TYPE i.  
  
num1 = 2.  num2 = 4.  
PERFORM addit USING num1 num2 CHANGING sum.  
  
num1 = 7. num2 = 11.  
PERFORM addit USING num1 num2 CHANGING sum.  
  
  
FORM addit USING add\_num1 TYPE any  
                 add\_num2 TYPE any  
        CHANGING add\_sum TYPE any.  
  add\_sum = add\_num1 + add\_num2.  
  
  PERFORM out USING add\_num1 add\_num2 add\_sum.  
  
ENDFORM.  
FORM out USING out\_num1 TYPE any  
              out\_num2 TYPE any  
             out\_sum  TYPE any.  
  WRITE: / 'Sum of', out\_num1, 'and', out\_num2, 'is', out\_sum.  
ENDFORM.

Program on subroutines

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_SR\_PROGRAM  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_SR\_PROGRAM.  
  
INCLUDE ZPROGRAM\_I\_TEST.  
  
select-OPTIONS s\_kunnr for lv\_kunnr.  " 1  to 100  
PARAMETERS p\_land1 TYPE kna1-land1.  " us  
  
  
PERFORM GET\_DATA.  
PERFORM PRINT\_DATA.  
  
  
  
FORM get\_data .  
  
  SELECT  KUNNR NAME1 ORT01 LAND1  
  INTO TABLE LT\_tAB  
       FROM kna1  
        wHERE kunnr in s\_kunnr and  
              land1 eq p\_land1.  
  
ENDFORM.  
  
FORM print\_data .  
  
 loop at lt\_Tab INTO WA\_Tab.  " b to W  
 WRITE: / WA\_tab-kunnr,   " W-f  
          WA\_tab-name1,  
          WA\_tab-ort01,  
          WA\_tab-land1.  
  
  ENDLOOP.  
  
ENDFORM.

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Formatting programm

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_ABAP\_FINAL\_TAB  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_ABAP\_FINAL\_TAB.  
  
  
  
  
TYPES : BEGIN OF ls\_tab,   " LOCAL STRS  
          kunnr TYPE kunnr ,  "  Customer Number.  
          name1 TYPE name1\_gp ,  " name  
          ort01 TYPE ort01\_gp,  " city  
          land1 TYPE land1\_gp,  " Country/Region Key  
        END OF ls\_tab.  
  
DATA : LT\_tAB   TYPE STANDARD TABLE OF ls\_tab, " ITAB  
       wa\_tab   TYPE LS\_tAB,   " WORK AREA  
       lv\_kunnr TYPE kunnr.  
  
  
SELECT-OPTIONS s\_kunnr FOR lv\_kunnr OBLIGATORY.  " 1  to 100  
PARAMETERS p\_land1 TYPE kna1-land1.  " us  
  
START-OF-SELECTION.  
  
  SELECT  kunnr name1 ort01 land1  
    INTO TABLE LT\_tAB  
         FROM kna1  
          WHERE kunnr IN s\_kunnr AND  
                land1 EQ p\_land1.  
  
  IF sy-subrc EQ 0.  
    WRITE : / 'records are found in kna1 table ', sy-dbcnt.  
  ELSE.  
    WRITE : / 'records are not found in kna1 table ', sy-dbcnt.  
  ENDIF.  
\*\*\*\*SKIP .  
SKIP 3.  
  
WRITE : / 'ROW NO',  
         10 'CUST NO',  
         30 'CUST NAME',  
         50 'CITY',  
         65 'Region Key'.  
  
ULINE.  
  
end-of-SELECTION.  
FORMAT COLOR COL\_POSITIVE.  
  
  LOOP AT lt\_Tab INTO WA\_Tab.  " b to W  
    WRITE: / SY-TABIX,  
            10 WA\_tab-kunnr, " COLOR 1,   " W-f  
            30 WA\_tab-name1,  "  COLOR 2,  
            50 WA\_tab-ort01, "  COLOR COL\_GROUP,  
            65 WA\_tab-land1. "  COLOR COL\_POSITIVE.  
  ENDLOOP.  
  
FORMAT COLOR OFF.  
  
BACK.  
SKIP 2.  
    WRITE /120 'UST HYD'.  
BACK.  
SKIP 2.  
    WRITE /130 'UST USA'.  
  
\*

Classical reports

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_CL\_REP\_PO  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_CL\_REP\_PO LINE-COUNT 20(3) LINE-SIZE 150.  
  
load-OF-PROGRAM.  
include z353\_dd\_po.  
  
data lv\_ebeln type ebeln.  
  
select-OPTIONS s\_ebeln for lv\_ebeln.  
parameters p\_werks type ewerk.  
  
\*PARAMETERS p\_lgort type lgrt.  
  
INITIALIZATION.  
s\_ebeln-low = '1'.  
s\_ebeln-high = '1000'.  
append s\_ebeln.  
  
at SELECTION-SCREEN.  
  select single ebeln  
    into wa\_tab-ebeln  
    from ekko  
    where ebeln in s\_ebeln.  
    if sy-subrc = 0.  
      write : /'entries found'.  
     else.  
       write 'no entries found'.  
     endif.  
  
  
START-OF-SELECTION.  
perform get\_data.  
end-of-SELECTION.  
  
perform diaplay\_data.  
  
TOP-OF-PAGE.  
uline.  
  write :/ 'purchasing doc no',  
         40 'compamny code ',  
         55 'purchasing category',  
         70 'doc type',  
         90 'supliers acc number',  
         110 'item no of pur doc',  
         130 'material number',  
         150 'plant',  
         170 'storage location'.  
 uline.  
  
END-of-page.  
  write :/ 'current list page no:' , sy-pagno,  
          'Date: ', sy-datum,  
          'Time:', sy-uzeit.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  
  
  select ekko~ebeln ekko~bukrs ekko~bstyp bsart lifnr ebelp matnr werks lgort  
  into table it\_tab  
  from ekko  
  inner join ekpo  
  on ekko~ebeln = ekpo~ebeln  
  where ekko~ebeln in s\_ebeln and werks eq p\_werks.  
  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form diaplay\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM diaplay\_data .  
  loop at it\_tab into wa\_tab.  
  write : /  
            wa\_tab-ebeln,  
           40 wa\_tab-bukrs,  
           55 wa\_tab-bstyp,  
           70 wa\_tab-bsart,  
           90 wa\_tab-lifnr,  
           110 wa\_tab-ebelp,  
           130 wa\_tab-matnr,  
           150 wa\_tab-werks,  
           170 wa\_tab-lgort.  
ENDLOOP.  
  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z353\_P\_ASSIGNMENT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_CL\_RP NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 message-id Z353\_MESSAGECLASS.  
  
  
load-OF-PROGRAM.  
  include z353\_getmat\_top.  
  
  
select-OPTIONS s\_vbeln for LV\_vbeln OBLIGATORY.  
  
  
INITIALIZATION.  
clear lt\_tab.  
  s\_vbeln-low  = '1'.  
  s\_vbeln-high  = '100'.  
  append s\_vbeln.  
  
  
  
at SELECTION-SCREEN on s\_vbeln.  
  select single vbeln  
    into lv\_vbeln  
     from vbak  
     where vbeln in s\_vbeln.  
  
  if sy-subrc eq 0.  
    message s000(z353\_MESSAGECLASS).  " se91 - tcode.  
\*\* MESSAGE S000(ztrupen\_ust\_msg).  " se91 - tcode.  
\*\*\*\*\*\*\*\*\*\* MESSAGE S124(00).  " se91 - tcode.  
  
\*\*\*MESSAGE i002(ztrupen\_ust\_msg).  " se91 - tcode.  
  else.  
    message e001(Z353\_MESSAGECLASS).  " se91 - tcode.  
\*\*MESSAGE E001(ztrupen\_ust\_msg).  " se91 - tcode.  
\*\*\*MESSAGE w003(ztrupen\_ust\_msg).  " se91 - tcode.  
\*\*\*MESSAGE x003(ztrupen\_ust\_msg).  " se91 - tcode.  
\*MESSAGE a003(ztrupen\_ust\_msg).  " se91 - tcode.  
  endif.  
  
  
  
  
start-of-selection.  
  perform get\_mat\_data.  
  
  
end-of-selection.  
  perform disp\_mat\_data.  
  
TOP-OF-PAGE.  
uline.  
  write :/ 'sales doc number',  
         40 'document date',  
         55 'tras group',  
         70 'name of the person',  
         90 'sales doc type'.  
 uline.  
  
END-of-page.  
  write :/ 'current list page no:' , sy-pagno,  
          'Date: ', sy-datum,  
          'Time:', sy-uzeit.  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_mat\_data .  
  select vbeln ernam audat auart trvog  
      into table lt\_Tab  
      from vbak  
      where vbeln in  s\_vbeln.  
  if sy-subrc eq 0.  
    write :/ 'Records are found in mara table'.  
  else.  
    write : / 'Records are not found in mara table'.  
  endif.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_mat\_data .  
  
loop at lt\_tab into wa\_tab.  
  write : /  
            wa\_tab-vbeln,  
           40 wa\_tab-audat,  
           55 wa\_tab-trvog,  
           70 wa\_tab-ernam,  
           90 wa\_tab-auart.  
ENDLOOP.  
ENDFORM.

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Interactive reports

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_P\_ASSIGNMENT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_IA\_RP NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 message-id Z353\_MESSAGECLASS.  
  
  
load-OF-PROGRAM.  
INCLUDE Z353\_GETMAT\_TOP\_1.  
select-OPTIONS s\_vbeln for wa\_tab-vbeln OBLIGATORY.  
INITIALIZATION.  
clear lt\_tab.  
  s\_vbeln-low  = '1'.  
  s\_vbeln-high  = '100'.  
  append s\_vbeln.  
at SELECTION-SCREEN on s\_vbeln.  
  select single vbeln  
    into wa\_tab-vbeln  
     from vbak  
     where vbeln in s\_vbeln.  
  if sy-subrc eq 0.  
    message s000(z353\_MESSAGECLASS).  " se91 - tcode.  
  else.  
    message e001(Z353\_MESSAGECLASS).  " se91 - tcode.  
  endif.  
  
start-of-selection.  
  perform get\_mat\_data.  
end-of-selection.  
  
perform disp\_mat\_data.  
  
TOP-OF-PAGE.  
uline.  
  write :/ 'sales doc number',  
         40 'document date',  
         55 'tras group',  
         70 'name of the person',  
         90 'sales doc type'.  
 uline.  
  
END-of-page.  
  write :/ 'current list page no:' , sy-pagno,  
          'Date: ', sy-datum,  
          'Time:', sy-uzeit.  
  
  
AT LINE-SELECTION.  
  CASE sy-lsind.  
    WHEN 1.  
      SELECT POSNR MATNR MATKL  
        INTO table lT\_TAB1  
        FROM VBAP  
        WHERE VBELN EQ WA\_TAB-VBELN.  
  
        loop at lt\_tab1 INTO wa\_tab1.  
      WRITE : /3 wa\_tab1-POSNR ,  
               30 wa\_tab1-matnr,  
               40 wa\_tab1-matkl.  
  
  
  
  
  
      ENDLOOP.  
  
  
  
  ENDCASE.  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_mat\_data .  
  select vbeln ernam audat auart trvog  
      into table lt\_Tab  
      from vbak  
      where vbeln in  s\_vbeln.  
  if sy-subrc eq 0.  
    write :/ 'Records are found in mara table'.  
  else.  
    write : / 'Records are not found in mara table'.  
  endif.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_mat\_data .  
  
loop at lt\_tab into wa\_tab.  
  write : /  
            wa\_tab-vbeln,  
           40 wa\_tab-audat,  
           55 wa\_tab-trvog,  
           70 wa\_tab-ernam,  
           90 wa\_tab-auart.  
  
        HIDE WA\_TAB-VBELN.  
ENDLOOP.  
ENDFORM.

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assignment

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_IA\_RP\_ASSIGN  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z353\_ia\_rp\_assign NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
LOAD-OF-PROGRAM.  
  INCLUDE z353\_init\_top\_mara.  " data defining  
  
  SELECT-OPTIONS s\_matnr FOR wa\_tab-matnr OBLIGATORY. " user inputwith obligatory  
  
INITIALIZATION.  
  CLEAR it\_tab. " initilization of default values  
  s\_matnr-low = '1'.  
  s\_matnr-high = '1000'.  
  APPEND s\_matnr.  
  
  
AT SELECTION-SCREEN.  
  PERFORM matnr\_valid.  
  
  
START-OF-SELECTION.  
  
  PERFORM get\_detail.  
  
TOP-OF-PAGE.  
uline.  
  write : / 'Records are found in marc table', 'the curent list index is :  ', sy-lsind.  
uline.  
  write : /  
            'material number',  
            25 'name of the person responsibe',  
            55 'material type',  
            70 'industry'.  
  
end-of-page.  
  skip.  
  write:  'current list page number :' , sy-pagno.  
  write : 'date :', sy-datum.  
  
END-OF-SELECTION.  
  PERFORM display\_details.  
  
  
AT LINE-SELECTION.  
  CASE sy-lsind.  
    WHEN 1.  
      select makt~matnr maktx werks pstat  
        into table it\_tab1  
        from makt  
        inner join marc  
        on makt~matnr = marc~matnr  
        where makt~matnr = wa\_tab-matnr.  
  
   loop at it\_tab1 into wa\_tab1.  
     write : / wa\_tab1-matnr,  
               wa\_tab1-maktx,  
               wa\_tab1-pstat,  
               wa\_tab1-werks.  
   endloop.  
  
  ENDCASE.  
  
  
top-of-page during LINE-SELECTION.  
  uline.  
  write : / 'Records are found in marc table', 'the curent list index is :  ', sy-lsind.  
uline.  
  write : /  
            'material number',  
            40 'material description',  
            80 'plant',  
            95 'maintenance status'.  
  
  
  
  
FORM display\_details .  
  
  LOOP AT it\_tab INTO wa\_tab.  
    WRITE : / wa\_tab-matnr,  
              30 wa\_tab-ernam,  
               55 wa\_tab-mtart,  
              70 wa\_tab-mbrsh.  
  
    hide wa\_tab-matnr.  
  ENDLOOP.  
  
ENDFORM.  
  
FORM get\_detail.  
  
  SELECT matnr ernam mtart mbrsh  
    INTO TABLE it\_tab  
    FROM mara  
    WHERE matnr IN s\_matnr.  
  
ENDFORM.  
  
FORM matnr\_valid .  
  SELECT SINGLE matnr  
    INTO wa\_tab-matnr  
    FROM mara  
    WHERE matnr IN s\_matnr.  
  
  IF sy-subrc EQ 0.  
    MESSAGE s000.  
  ELSE.  
    MESSAGE e001.  
  ENDIF.  
  
ENDFORM.

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At user command

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_IA\_RP\_ASSIGN  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z353\_ia\_rp\_user\_comd NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
LOAD-OF-PROGRAM.  
INCLUDE Z353\_INIT\_TOP\_US\_CMD.  
\*  INCLUDE z353\_init\_top\_mara.  " data defining  
  
  SELECT-OPTIONS s\_matnr FOR wa\_tab-matnr OBLIGATORY. " user inputwith obligatory  
  
INITIALIZATION.  
  CLEAR it\_tab. " initilization of default values  
  s\_matnr-low = '1'.  
  s\_matnr-high = '1000'.  
  APPEND s\_matnr.  
  
  
AT SELECTION-SCREEN.  
  PERFORM matnr\_valid.  
  
  
START-OF-SELECTION.  
  
  PERFORM get\_detail.  
  
TOP-OF-PAGE.  
uline.  
  write : / 'Records are found in marc table', 'the curent list index is :  ', sy-lsind.  
uline.  
  write : /  
            'material number',  
            25 'name of the person responsibe',  
            55 'material type',  
            70 'industry'.  
  
end-of-page.  
  skip.  
  write:  'current list page number :' , sy-pagno.  
  write : 'date :', sy-datum.  
  
END-OF-SELECTION.  
set pf-status 'Z353\_PFS'. " se41 tcode.  
  PERFORM display\_details.  
  
  
\*AT LINE-SELECTION.  
\*  CASE sy-lsind.  
\*    WHEN 1.  
\*      select makt~matnr maktx werks pstat  
\*        into table it\_tab1  
\*        from makt  
\*        inner join marc  
\*        on makt~matnr = marc~matnr  
\*        where makt~matnr = wa\_tab-matnr.  
\*  
\*   loop at it\_tab1 into wa\_tab1.  
\*     write : / wa\_tab1-matnr,  
\*               wa\_tab1-maktx,  
\*               wa\_tab1-pstat,  
\*               wa\_tab1-werks.  
\*   endloop.  
\*  
\*  ENDCASE.  
  
  
top-of-page during LINE-SELECTION.  
  uline.  
  write : / 'Records are found in marc table', 'the curent list index is :  ', sy-lsind.  
uline.  
  write : /  
            'material number',  
            40 'material description',  
            80 'plant',  
            95 'maintenance status'.  
  
  
  
AT USER-COMMAND.  
  CASE SY-UCOMM.  
    WHEN 'DISP'.  
      WRITE 'UST GLOBAL'.  
  
  ENDCASE.  
  
  
  
  
FORM display\_details .  
  
  LOOP AT it\_tab INTO wa\_tab.  
    WRITE : / wa\_tab-matnr,  
              30 wa\_tab-ernam,  
               55 wa\_tab-mtart,  
              70 wa\_tab-mbrsh.  
  
\*    hide wa\_tab-matnr.  
  ENDLOOP.  
  
ENDFORM.  
  
FORM get\_detail.  
  
  SELECT matnr ernam mtart mbrsh  
    INTO TABLE it\_tab  
    FROM mara  
    WHERE matnr IN s\_matnr.  
  
ENDFORM.  
  
FORM matnr\_valid .  
  SELECT SINGLE matnr  
    INTO wa\_tab-matnr  
    FROM mara  
    WHERE matnr IN s\_matnr.  
  
  IF sy-subrc EQ 0.  
    MESSAGE s000.  
  ELSE.  
    MESSAGE e001.  
  ENDIF.  
  
ENDFORM.

Include program practice

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_INCLUDE\_PRACTICE  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_INCLUDE\_PRACTICE.  
  
  
  
INCLUDE ZPROGRAM\_I\_TEST.  
\*INCLUDE Z353\_I\_SELECT.  
\*INCLUDE Z353\_I\_WRITE.  
  
\*TYPES : BEGIN OF ls\_tab,   " LOCAL STRS  
\*          kunnr TYPE kunnr ,  "  V TYPE DTL.  
\*          name1 TYPE name1\_gp,  
\*          ort01 TYPE ort01\_gp,  
\*          land1 TYPE land1\_gp,  
\*        END OF ls\_tab.  
\*  
\*DATA : LT\_tAB   TYPE STANDARD TABLE OF ls\_tab, " ITAB  
\*       wa\_tab   TYPE LS\_tAB,  " WORK AREA  
\*       lv\_kunnr TYPE kunnr.  
  
select-OPTIONS s\_kunnr for lv\_kunnr.  " 1  to 100  
PARAMETERS p\_land1 TYPE kna1-land1.  " us  
  
INCLUDE Z353\_I\_SELECT.  
  
\*SELECT  KUNNR NAME1 ORT01 LAND1  
\*\*\*\*\*\*\*\*\*\*\*\*       INTO WA\_Tab   " into WORK AREA  
\*  INTO TABLE LT\_tAB  
\*       FROM kna1  
\*        wHERE kunnr in s\_kunnr and  
\*              land1 eq p\_land1.  
  
\*loop at lt\_Tab INTO WA\_Tab.  " b to W  
\*  
\* WRITE: / WA\_tab-kunnr,   " W-f  
\*          WA\_tab-name1,  
\*          WA\_tab-ort01,  
\*          WA\_tab-land1.  
\*  
\*  ENDLOOP.  
  
INCLUDE Z353\_I\_WRITE.

Lock object program

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_LOCK\_OBJECT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_LOCK\_OBJECT.  
  
PARAMETERS P\_MATNR TYPE MATNR.  
  
CALL FUNCTION 'ENQUEUE\_EZ353\_MARA'  
 EXPORTING  
   MODE\_MARA            = 'E'  
   MANDT                = SY-MANDT  
   MATNR                = P\_MATNR  
\*   X\_MATNR              = ' '  
\*   \_SCOPE               = '2'  
\*   \_WAIT                = ' '  
\*   \_COLLECT             = ' '  
\* EXCEPTIONS  
\*   FOREIGN\_LOCK         = 1  
\*   SYSTEM\_FAILURE       = 2  
\*   OTHERS               = 3  
          .  
IF sy-subrc <> 0.  
\* Implement suitable error handling here  
ENDIF.  
  
BREAK-POINT.  
  
CALL FUNCTION 'DEQUEUE\_EZ353\_MARA'  
 EXPORTING  
   MODE\_MARA       = 'E'  
   MANDT           = SY-MANDT  
   MATNR           = P\_MATNR  
\*   X\_MATNR         = ' '  
\*   \_SCOPE          = '3'  
\*   \_SYNCHRON       = ' '  
\*   \_COLLECT        = ' '  
          .

Assignment program on mara tables entries

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_P\_ASSIG\_REPORT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_P\_ASSIG\_REPORT NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID Z353\_MESSAGECLASS.  
  
load-of-program.  
include zin\_data\_def.  
  
  
select-OPTIONS s\_matnr for wa\_tab-matnr.  
  
INITIALIZATION.  
  s\_matnr-low = '1'.  
  s\_matnr-high = '100'.  
  append s\_matnr.  
  
at SELECTION-SCREEN on s\_matnr.  
  select single mara~matnr  
    into wa\_tab-matnr  
    from mara  
    inner join makt  
    on mara~matnr = makt~matnr  
    where mara~matnr in s\_matnr.  
  
    if sy-subrc eq 0.  
      message s000.  
    else.  
      message e001.  
  
    ENDIF.  
  
  
START-OF-SELECTION.  
  
perform get\_data.  
  
end-OF-SELECTION.  
perform display\_output.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  
  select mara~matnr mbrsh mtart meins matkl maktx  
    into table lt\_tab  
    from mara  
    inner join makt  
    on mara~matnr = makt~matnr  
    where mara~matnr in s\_matnr.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form display\_output  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_output .  
  
  loop at lt\_tab into wa\_tab.  
    write : / wa\_tab-matnr,  
              wa\_tab-mbrsh,  
              wa\_tab-mtart,  
              wa\_tab-meins,  
              wa\_tab-matkl,  
              wa\_tab-maktx.  
  ENDLOOP.  
  
  
ENDFORM.

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Alv reports

List

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_UST\_LIST\_ALV  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_UST\_LIST\_ALV NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
include Z353\_UST\_LIST\_ALV\_top.  
  
select-OPTIONS s\_vbeln for lv\_vbeln.  
  
initialization.  
  clear: lt\_Tab, WA\_FIELDCAT, LT\_FIELDCAT.  
  s\_vbeln-low  = '1'.  
  s\_vbeln-high  = '100'.  
  append s\_vbeln.  
  
at SELECTION-SCREEN on s\_vbeln.  
     " 1 to 100  
  
  select single vbeln  
    into lv\_vbeln  
     from vbak  
     where vbeln in s\_vbeln.  
  
  if sy-subrc eq 0.  
    message s000.  " se91 - tcode.  
  else.  
    message e001.  " se91 - tcode.  
  endif.  
  
start-of-selection.  
  
  perform get\_alv\_fcat.  
  
  perform get\_mat\_data.  
  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_OUTPUT.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fcat  
FORM get\_alv\_fcat .  
  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'SALES DOC'.  
  wa\_fieldcat-fieldname = 'VBELN'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MBRSH  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'RECORD CREATED ON'.  
  wa\_fieldcat-fieldname = 'ERDAT'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_mat\_data .  
  
SELECT VBELN ERDAT  
  INTO TABLE LT\_TAB  
  FROM VBAK  
  WHERE VBELN IN S\_VBELN.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_OUTPUT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_output .  
  CALL FUNCTION 'REUSE\_ALV\_LIST\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK              = ' '  
\*     I\_BYPASSING\_BUFFER             =  
\*     I\_BUFFER\_ACTIVE                = ' '  
     I\_CALLBACK\_PROGRAM             = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET       = ' '  
\*     I\_CALLBACK\_USER\_COMMAND        = ' '  
\*     I\_STRUCTURE\_NAME               =  
\*     IS\_LAYOUT                      =  
    IT\_FIELDCAT                    =  LT\_FIELDCAT  
\*     IT\_EXCLUDING                   =  
\*     IT\_SPECIAL\_GROUPS              =  
\*     IT\_SORT                        =  
\*     IT\_FILTER                      =  
\*     IS\_SEL\_HIDE                    =  
\*     I\_DEFAULT                      = 'X'  
\*     I\_SAVE                         = ' '  
\*     IS\_VARIANT                     =  
\*     IT\_EVENTS                      =  
\*     IT\_EVENT\_EXIT                  =  
\*     IS\_PRINT                       =  
\*     IS\_REPREP\_ID                   =  
\*     I\_SCREEN\_START\_COLUMN          = 0  
\*     I\_SCREEN\_START\_LINE            = 0  
\*     I\_SCREEN\_END\_COLUMN            = 0  
\*     I\_SCREEN\_END\_LINE              = 0  
\*     IR\_SALV\_LIST\_ADAPTER           =  
\*     IT\_EXCEPT\_QINFO                =  
\*     I\_SUPPRESS\_EMPTY\_DATA          = ABAP\_FALSE  
\*     IO\_SALV\_ADAPTER                =  
\*     O\_COMMON\_HUB                   =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER        =  
\*     ES\_EXIT\_CAUSED\_BY\_USER         =  
    TABLES  
      t\_outtab                       = LT\_TAB  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                  = 1  
\*     OTHERS                         = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
  
ENDFORM.

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Grid alv

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_UST\_LIST\_ALV  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_UST\_GRID\_ALV NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
INCLUDE Z353\_UST\_GRID\_ALV\_TOP.  
\*include Z353\_UST\_LIST\_ALV\_top.  
  
select-OPTIONS s\_vbeln for lv\_vbeln.  
  
initialization.  
  clear: lt\_Tab, WA\_FIELDCAT, LT\_FIELDCAT.  
  s\_vbeln-low  = '1'.  
  s\_vbeln-high  = '100'.  
  append s\_vbeln.  
  
at SELECTION-SCREEN on s\_vbeln.  
     " 1 to 100  
  
  select single vbeln  
    into lv\_vbeln  
     from vbak  
     where vbeln in s\_vbeln.  
  
  if sy-subrc eq 0.  
    message s000.  " se91 - tcode.  
  else.  
    message e001.  " se91 - tcode.  
  endif.  
  
start-of-selection.  
  
  perform get\_alv\_fcat.  
  
  perform get\_mat\_data.  
  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_OUTPUT.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fcat  
FORM get\_alv\_fcat .  
  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'SALES DOC'.  
  wa\_fieldcat-fieldname = 'VBELN'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MBRSH  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'RECORD CREATED ON'.  
  wa\_fieldcat-fieldname = 'ERDAT'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_mat\_data .  
  
SELECT VBELN ERDAT  
  INTO TABLE LT\_TAB  
  FROM VBAK  
  WHERE VBELN IN S\_VBELN.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_OUTPUT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_output .  
  CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK                 = ' '  
\*     I\_BYPASSING\_BUFFER                = ' '  
\*     I\_BUFFER\_ACTIVE                   = ' '  
     I\_CALLBACK\_PROGRAM                = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*     I\_CALLBACK\_USER\_COMMAND           = ' '  
\*     I\_CALLBACK\_TOP\_OF\_PAGE            = ' '  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
\*     I\_GRID\_TITLE                      =  
\*     I\_GRID\_SETTINGS                   =  
\*     IS\_LAYOUT                         =  
     IT\_FIELDCAT                       =  LT\_FIELDCAT  
\*     IT\_EXCLUDING                      =  
\*     IT\_SPECIAL\_GROUPS                 =  
\*     IT\_SORT                           =  
\*     IT\_FILTER                         =  
\*     IS\_SEL\_HIDE                       =  
\*     I\_DEFAULT                         = 'X'  
\*     I\_SAVE                            = ' '  
\*     IS\_VARIANT                        =  
\*     IT\_EVENTS                         =  
\*     IT\_EVENT\_EXIT                     =  
\*     IS\_PRINT                          =  
\*     IS\_REPREP\_ID                      =  
\*     I\_SCREEN\_START\_COLUMN             = 0  
\*     I\_SCREEN\_START\_LINE               = 0  
\*     I\_SCREEN\_END\_COLUMN               = 0  
\*     I\_SCREEN\_END\_LINE                 = 0  
\*     I\_HTML\_HEIGHT\_TOP                 = 0  
\*     I\_HTML\_HEIGHT\_END                 = 0  
\*     IT\_ALV\_GRAPHICS                   =  
\*     IT\_HYPERLINK                      =  
\*     IT\_ADD\_FIELDCAT                   =  
\*     IT\_EXCEPT\_QINFO                   =  
\*     IR\_SALV\_FULLSCREEN\_ADAPTER        =  
\*     O\_PREVIOUS\_SRAL\_HANDLER           =  
\*     O\_COMMON\_HUB                      =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER           =  
\*     ES\_EXIT\_CAUSED\_BY\_USER            =  
    TABLES  
      t\_outtab                          = LT\_TAB  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                     = 1  
\*     OTHERS                            = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z353\_UST\_LIST\_ALV  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_UST\_LOGO\_ALV NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
INCLUDE Z353\_UST\_LOGO\_ALV\_TOP.  
\*INCLUDE Z353\_UST\_GRID\_ALV\_TOP.  
\*include Z353\_UST\_LIST\_ALV\_top.  
  
select-OPTIONS s\_vbeln for lv\_vbeln.  
  
initialization.  
  clear: lt\_Tab, WA\_FIELDCAT, LT\_FIELDCAT.  
  s\_vbeln-low  = '1'.  
  s\_vbeln-high  = '100'.  
  append s\_vbeln.  
  
at SELECTION-SCREEN on s\_vbeln.  
     " 1 to 100  
  
  select single vbeln  
    into lv\_vbeln  
     from vbak  
     where vbeln in s\_vbeln.  
  
  if sy-subrc eq 0.  
    message s000.  " se91 - tcode.  
  else.  
    message e001.  " se91 - tcode.  
  endif.  
  
start-of-selection.  
  
  perform get\_alv\_fcat.  
  
  perform get\_mat\_data.  
  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_OUTPUT.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fcat  
FORM get\_alv\_fcat .  
  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'SALES DOC'.  
  wa\_fieldcat-fieldname = 'VBELN'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MBRSH  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'RECORD CREATED ON'.  
  wa\_fieldcat-fieldname = 'ERDAT'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_mat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_mat\_data .  
  
SELECT VBELN ERDAT  
  INTO TABLE LT\_TAB  
  FROM VBAK  
  WHERE VBELN IN S\_VBELN.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_OUTPUT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_output .  
  
ty\_layout-no\_colhead = 'X'.  
  CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK                 = ' '  
\*     I\_BYPASSING\_BUFFER                = ' '  
\*     I\_BUFFER\_ACTIVE                   = ' '  
     I\_CALLBACK\_PROGRAM                = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*     I\_CALLBACK\_USER\_COMMAND           = ' '  
     I\_CALLBACK\_TOP\_OF\_PAGE            = 'UST\_LOGO'  " form name  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
\*     I\_GRID\_TITLE                      =  
\*     I\_GRID\_SETTINGS                   =  
     IS\_LAYOUT                         = ty\_layout  
     IT\_FIELDCAT                       =  LT\_FIELDCAT  
\*     IT\_EXCLUDING                      =  
\*     IT\_SPECIAL\_GROUPS                 =  
\*     IT\_SORT                           =  
\*     IT\_FILTER                         =  
\*     IS\_SEL\_HIDE                       =  
\*     I\_DEFAULT                         = 'X'  
\*     I\_SAVE                            = ' '  
\*     IS\_VARIANT                        =  
\*     IT\_EVENTS                         =  
\*     IT\_EVENT\_EXIT                     =  
\*     IS\_PRINT                          =  
\*     IS\_REPREP\_ID                      =  
\*     I\_SCREEN\_START\_COLUMN             = 0  
\*     I\_SCREEN\_START\_LINE               = 0  
\*     I\_SCREEN\_END\_COLUMN               = 0  
\*     I\_SCREEN\_END\_LINE                 = 0  
\*     I\_HTML\_HEIGHT\_TOP                 = 0  
\*     I\_HTML\_HEIGHT\_END                 = 0  
\*     IT\_ALV\_GRAPHICS                   =  
\*     IT\_HYPERLINK                      =  
\*     IT\_ADD\_FIELDCAT                   =  
\*     IT\_EXCEPT\_QINFO                   =  
\*     IR\_SALV\_FULLSCREEN\_ADAPTER        =  
\*     O\_PREVIOUS\_SRAL\_HANDLER           =  
\*     O\_COMMON\_HUB                      =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER           =  
\*     ES\_EXIT\_CAUSED\_BY\_USER            =  
    TABLES  
      t\_outtab                          = LT\_TAB  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                     = 1  
\*     OTHERS                            = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
  
  
ENDFORM.  
  
  
FORM UST\_LOGO.  
  
  data : lt\_header type slis\_t\_listheader,  
         wa\_header type slis\_listheader.  
  
  CALL FUNCTION 'REUSE\_ALV\_COMMENTARY\_WRITE'  
    EXPORTING  
     it\_list\_commentary       = LT\_HEADER  
     I\_LOGO                   = 'Z253\_UST\_LOGO'  
\*     I\_END\_OF\_LIST\_GRID       =  
\*     I\_ALV\_FORM               =  
.

ENDFORM.

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_ALV\_HIERSEQ\_DISP  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_ALV\_HIERSEQ\_DISP NO STANDARD PAGE HEADING LINE-COUNT 20(3).  
  
  
types : BEGIN OF ST\_VBAK,  
        CH(1),  
        VBELN TYPE VBELN\_VA, " SALES DOC  
        ERDAT TYPE ERDAT, " RECORD CREATED ON  
        ERZET TYPE ERZET, " ENTRY TIME  
      END OF ST\_VBAK.  
  
DATA : IT\_VBAK TYPE TABLE OF ST\_VBAK, " INTERNAL TABLE  
      WA\_VBAK TYPE ST\_VBAK. " WORK AREA  
  
TYPES : BEGIN OF ST\_VBAP,  
        VBELN TYPE VBELN\_VA, " SALES DOC  
        POSNR TYPE POSNR\_VA, " SALES DOC ITEM  
        MATNR TYPE MATNR, " MAT NO  
        END OF ST\_VBAP.  
  
DATA : IT\_VBAP TYPE TABLE OF ST\_VBAP, " INTERNAL AREA  
      WA\_VBAP TYPE ST\_VBAP, " WORK AREA  
  
  
" DECLEARING  FIELD CATLOG FOR INTERNAL AND WORK AREA.  
  
      T\_FCAT TYPE SLIS\_T\_FIELDCAT\_ALV,  
      W\_FCAT like line of T\_FCAT,  
      IS\_KEY TYPE slis\_keyinfo\_alv,  
      layout TYPE slis\_layout\_alv.  
  
TABLES : VBAK.  
  
  
SELECT-OPTIONS S\_VBELN FOR VBAK-VBELN.  
  
START-OF-SELECTION.  
PERFORM GET\_DATA.  
PERFORM GET\_FCAT.  
  
PERFORM GET\_HIERDET.  
  
  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM  get\_data .  
  
  "  GET DATA INTO HEADER IT  
  
  SELECT VBELN ERDAT ERZET  
    FROM VBAK  
    INTO CORRESPONDING FIELDS OF TABLE IT\_VBAK  
    WHERE VBELN IN S\_VBELN.  
  
 " GET DATA INTO HEADER IT  
  
  SELECT VBELN POSNR MATNR  
    FROM VBAP  
    INTO TABLE IT\_VBAP  
    WHERE VBELN IN S\_VBELN.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_FCAT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_fcat .  
  
  " FIELD CATALOG TABLE HEADINGS  
  
  " BUILDING FCAT FOR VBAK  
  
  W\_FCAT-col\_pos = '1'. " COLUMN POSITION  
  W\_FCAT-fieldname = 'VBELN'. " COLOMN NAME  
   W\_FCAT-tabname = 'IT\_VBAK'. " INTERNAL TABLE NAME  
  W\_FCAT-ref\_tabname = 'VBAK'. " REFERENCE TABLE NAME  
   W\_FCAT-ref\_fieldname = 'VBELN'. " REF  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
  
   W\_FCAT-col\_pos = '2'.  
  W\_FCAT-fieldname = 'ERDAT'.  
   W\_FCAT-tabname = 'IT\_VBAK'.  
  W\_FCAT-ref\_tabname = 'VBAK'.  
   W\_FCAT-ref\_fieldname = 'ERDAT'.  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
  
   W\_FCAT-col\_pos = '3'.  
  W\_FCAT-fieldname = 'ERZET'.  
   W\_FCAT-tabname = 'IT\_VBAK'.  
  W\_FCAT-ref\_tabname = 'VBAK'.  
   W\_FCAT-ref\_fieldname = 'ERZET'.  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
" BUDILING FCAT FOR VBAP  
   W\_FCAT-col\_pos = '1'.  
  W\_FCAT-fieldname = 'VBELN'.  
   W\_FCAT-tabname = 'IT\_VBAP'.  
  W\_FCAT-ref\_tabname = 'VBAP'.  
   W\_FCAT-ref\_fieldname = 'VBELN'.  
  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
  
   W\_FCAT-col\_pos = '2'.  
  W\_FCAT-fieldname = 'POSNR'.  
   W\_FCAT-tabname = 'IT\_VBAP'.  
  W\_FCAT-ref\_tabname = 'VBAP'.  
   W\_FCAT-ref\_fieldname = 'POSNR'.  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
  
   W\_FCAT-col\_pos = '3'.  
  W\_FCAT-fieldname = 'MATNR'.  
   W\_FCAT-tabname = 'IT\_VBAP'.  
  W\_FCAT-ref\_tabname = 'VBAP'.  
   W\_FCAT-ref\_fieldname = 'MATNR'.  
  
   APPEND W\_FCAT TO T\_FCAT.  
   CLEAR W\_FCAT.  
  
  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_HIERDET  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_hierdet .  
  
  is\_key-header01 = 'VBELN'.  
  LAYOUT-expand\_fieldname = 'CH'.  
  
  CALL FUNCTION 'REUSE\_ALV\_HIERSEQ\_LIST\_DISPLAY'  
    EXPORTING  
\*     I\_INTERFACE\_CHECK              = ' '  
     I\_CALLBACK\_PROGRAM             = SY-REPID  
     IS\_LAYOUT                      = layout  
     IT\_FIELDCAT                    = T\_FCAT[]  
      i\_tabname\_header               = 'IT\_VBAK'  
      i\_tabname\_item                 = 'IT\_VBAP'  
      is\_keyinfo                     = IS\_KEY  
  
    TABLES  
      t\_outtab\_header                = IT\_VBAK  
      t\_outtab\_item                  = IT\_VBAP  
   EXCEPTIONS  
     PROGRAM\_ERROR                  = 1  
     OTHERS                         = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z353\_PROGRAM\_ALV\_LIST1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z353\_program\_alv\_list1 NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z353\_messageclass.  
  
INCLUDE z253\_include\_alv\_list1\_top.  
  
SELECT-OPTIONS s\_vbeln FOR lv\_vbeln. " range of values for vbeln  
  
INITIALIZATION.  
  PERFORM init\_list. " initilizing default values  
  
AT SELECTION-SCREEN. " validiting input  
  PERFORM input\_validation.  
  
START-OF-SELECTION.  
  perform get\_alv\_fieldcat. " assigning field cat values to internal table fieldcat (it\_fieldcat)  
  PERFORM get\_data.  
  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_DATA.  
  
  
  
  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Form init\_list  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM init\_list .  
  
  CLEAR : it\_vbak , wa\_fieldcat , it\_fieldcat.  
  s\_vbeln-low = '1'.  
  s\_vbeln-high = '100'.  
  APPEND s\_vbeln.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form input\_validation  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM input\_validation .  
  SELECT SINGLE vbeln  
    INTO lv\_vbeln  
    FROM vbak  
    WHERE vbeln IN s\_vbeln.  
  
  IF sy-subrc = '0'.  
    MESSAGE s000.  
  ELSE.  
    IF sy-subrc = '4'.  
      MESSAGE e001.  
    ENDIF.  
  ENDIF.  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  
  SELECT vbeln erdat erzet vbtyp  
    INTO TABLE it\_vbak  
    FROM vbak  
    WHERE vbeln IN s\_vbeln.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fieldcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_alv\_fieldcat .  
  
  wa\_fieldcat-col\_pos = '1'. " column position  
  wa\_fieldcat-seltext\_l = 'SALES DOC'. " SELECTION TEXT  
  wa\_fieldcat-fieldname = 'VBELN'. " FIELD NAME  
  wa\_fieldcat-tabname = 'IT\_VBAK'. " TABLE NAME  
  APPEND wa\_fieldcat TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos = '2'. " COLUMN POSITION  
  wa\_fieldcat-seltext\_l = 'RECORD CREATED ON'. " SELECTION TEXT  
  wa\_fieldcat-fieldname = 'VBELN'. " FIELDNAME  
  wa\_fieldcat-tabname = 'IT\_VBAK'. " TABLE NAME  
  APPEND wa\_fieldcat to it\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'. " COLUMN POSITION  
  wa\_fieldcat-seltext\_l = 'ENTRY TIME'. " SELECTION TEXT  
  wa\_fieldcat-fieldname = 'ERZET'. " FIELDNAME  
  wa\_fieldcat-tabname = 'IT\_VBAK'. " TABLE NAME  
  APPEND wa\_fieldcat to it\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '4'. " COLUMN POSITION  
  wa\_fieldcat-seltext\_l = 'SALES DOC CATEGORY'. " SELECTION TEXT  
  wa\_fieldcat-fieldname = 'VBTYP'. " FIELDNAME  
  wa\_fieldcat-tabname = 'IT\_VBAK'. " TABLE NAME  
  APPEND wa\_fieldcat to it\_fieldcat.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  
CALL FUNCTION 'REUSE\_ALV\_LIST\_DISPLAY'  
 EXPORTING  
\*   I\_INTERFACE\_CHECK              = ' '  
\*   I\_BYPASSING\_BUFFER             =  
\*   I\_BUFFER\_ACTIVE                = ' '  
   I\_CALLBACK\_PROGRAM             = SY-REPID  
\*   I\_CALLBACK\_PF\_STATUS\_SET       = ' '  
\*   I\_CALLBACK\_USER\_COMMAND        = ' '  
\*   I\_STRUCTURE\_NAME               =  
\*   IS\_LAYOUT                      =  
   IT\_FIELDCAT                    = IT\_FIELDCAT  
\*   IT\_EXCLUDING                   =  
\*   IT\_SPECIAL\_GROUPS              =  
\*   IT\_SORT                        =  
\*   IT\_FILTER                      =  
\*   IS\_SEL\_HIDE                    =  
\*   I\_DEFAULT                      = 'X'  
\*   I\_SAVE                         = ' '  
\*   IS\_VARIANT                     =  
\*   IT\_EVENTS                      =  
\*   IT\_EVENT\_EXIT                  =  
\*   IS\_PRINT                       =  
\*   IS\_REPREP\_ID                   =  
\*   I\_SCREEN\_START\_COLUMN          = 0  
\*   I\_SCREEN\_START\_LINE            = 0  
\*   I\_SCREEN\_END\_COLUMN            = 0  
\*   I\_SCREEN\_END\_LINE              = 0  
\*   IR\_SALV\_LIST\_ADAPTER           =  
\*   IT\_EXCEPT\_QINFO                =  
\*   I\_SUPPRESS\_EMPTY\_DATA          = ABAP\_FALSE  
\*   IO\_SALV\_ADAPTER                =  
\*   O\_COMMON\_HUB                   =  
\* IMPORTING  
\*   E\_EXIT\_CAUSED\_BY\_CALLER        =  
\*   ES\_EXIT\_CAUSED\_BY\_USER         =  
  TABLES  
    t\_outtab                       =  IT\_VBAK  
EXCEPTIONS  
   PROGRAM\_ERROR                  = 1  
   OTHERS                         = 2  
          .  
IF sy-subrc <> 0.  
\* Implement suitable error handling here  
ENDIF.  
  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z253\_PROGRAM\_ALV\_GRID  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z253\_PROGRAM\_ALV\_GRID NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID Z353\_MESSAGECLASS.  
  
INCLUDE Z253\_PROGRAM\_ALV\_GRID\_TOP.  
  
SELECT-OPTIONS S\_VBELN FOR LV\_VBELN OBLIGATORY.  
  
INITIALIZATION.  
CLEAR : IT\_FINAL , WA\_FIELDCAT , IT\_FIELDCAT.  
S\_VBELN-LOW = '5000'.  
S\_VBELN-HIGH = '5010'.  
APPEND S\_VBELN.  
  
AT SELECTION-SCREEN ON S\_VBELN.  
  PERFORM VALIDATE\_INPUT.  
  
START-OF-SELECTION.  
  PERFORM GET\_ALV\_FCAT. " ASSIGNING FIELDCATLOG (TABLE COLUMN HEADINGS) INTO WORK AREA FIELD CATELOG AND WORK AREA TO INTERNAL TABLE OF FIELD CATALOG  
  PERFORM GET\_DATA.  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_DATA.  
  
  
\*&---------------------------------------------------------------------\*  
\*& Form VALIDATE\_INPUT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM validate\_input .  
  SELECT SINGLE VBELN  
    FROM VBAK  
    INTO LV\_VBELN  
    WHERE VBELN IN S\_VBELN.  
  
   IF SY-SUBRC = 0.  
     MESSAGE S000.  
   ELSE.  
     MESSAGE E001.  
   ENDIF.  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_ALV\_FCAT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_alv\_fcat .  
  
  WA\_FIELDCAT-col\_pos = '1'.  
  WA\_FIELDCAT-seltext\_l = 'SALES DOC NO'.  
  WA\_FIELDCAT-fieldname = 'VBELN'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  WA\_FIELDCAT-col\_pos = '2'.  
  WA\_FIELDCAT-seltext\_l = 'RECORD CREATED ON'.  
  WA\_FIELDCAT-fieldname = 'ERDAT'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  WA\_FIELDCAT-col\_pos = '3'.  
  WA\_FIELDCAT-seltext\_l = 'ENTRY TIME'.  
  WA\_FIELDCAT-fieldname = 'ERZET'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  WA\_FIELDCAT-col\_pos = '4'.  
  WA\_FIELDCAT-seltext\_l = 'SALES DOC CATEGORY'.  
  WA\_FIELDCAT-fieldname = 'VBTYP'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  WA\_FIELDCAT-col\_pos = '5'.  
  WA\_FIELDCAT-seltext\_l = 'SALES DOC ITEM'.  
  WA\_FIELDCAT-fieldname = 'POSNR'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  WA\_FIELDCAT-col\_pos = '6'.  
  WA\_FIELDCAT-seltext\_l = 'MATERIAL NUMBER'.  
  WA\_FIELDCAT-fieldname = 'MATNR'.  
  WA\_FIELDCAT-tabname = 'IT\_FINAL'.  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  SELECT VBAK~VBELN VBAK~ERDAT VBAK~ERZET VBTYP POSNR MATNR  
    INTO TABLE IT\_FINAL  
    FROM VBAK  
    INNER JOIN VBAP  
    ON VBAK~VBELN EQ VBAP~VBELN  
    WHERE VBAK~VBELN IN S\_VBELN.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK                 = ' '  
\*     I\_BYPASSING\_BUFFER                = ' '  
\*     I\_BUFFER\_ACTIVE                   = ' '  
     I\_CALLBACK\_PROGRAM                = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*     I\_CALLBACK\_USER\_COMMAND           = ' '  
\*     I\_CALLBACK\_TOP\_OF\_PAGE            = ' '  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
\*     I\_GRID\_TITLE                      =  
\*     I\_GRID\_SETTINGS                   =  
\*     IS\_LAYOUT                         =  
     IT\_FIELDCAT                       = IT\_FIELDCAT  
\*     IT\_EXCLUDING                      =  
\*     IT\_SPECIAL\_GROUPS                 =  
\*     IT\_SORT                           =  
\*     IT\_FILTER                         =  
\*     IS\_SEL\_HIDE                       =  
\*     I\_DEFAULT                         = 'X'  
\*     I\_SAVE                            = ' '  
\*     IS\_VARIANT                        =  
\*     IT\_EVENTS                         =  
\*     IT\_EVENT\_EXIT                     =  
\*     IS\_PRINT                          =  
\*     IS\_REPREP\_ID                      =  
\*     I\_SCREEN\_START\_COLUMN             = 0  
\*     I\_SCREEN\_START\_LINE               = 0  
\*     I\_SCREEN\_END\_COLUMN               = 0  
\*     I\_SCREEN\_END\_LINE                 = 0  
\*     I\_HTML\_HEIGHT\_TOP                 = 0  
\*     I\_HTML\_HEIGHT\_END                 = 0  
\*     IT\_ALV\_GRAPHICS                   =  
\*     IT\_HYPERLINK                      =  
\*     IT\_ADD\_FIELDCAT                   =  
\*     IT\_EXCEPT\_QINFO                   =  
\*     IR\_SALV\_FULLSCREEN\_ADAPTER        =  
\*     O\_PREVIOUS\_SRAL\_HANDLER           =  
\*     O\_COMMON\_HUB                      =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER           =  
\*     ES\_EXIT\_CAUSED\_BY\_USER            =  
    TABLES  
      t\_outtab                          = IT\_FINAL  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                     = 1  
\*     OTHERS                            = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z353\_ALV\_LOGO  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_ALV\_LOGO.  
  
include z253\_alv\_logo\_top.  
  
SELECT-OPTIONS s\_lifnr for wa\_lfa1-lifnr OBLIGATORY.  
  
INITIALIZATION.  
PERFORM INIT.  
  
START-OF-SELECTION.  
perform fieldcat\_data.  
PERFORM GET\_DATA.  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_DATA.  
  
\*&---------------------------------------------------------------------\*  
\*& Form fieldcat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM fieldcat\_data .  
  wa\_fieldcat-col\_pos ='1'.  
  wa\_fieldcat-fieldname = 'LIFNR'.  
  wa\_fieldcat-seltext\_l = 'ACCOUNT NAME OF SUPPLIER'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos ='2'.  
  wa\_fieldcat-fieldname = 'NAME1'.  
  wa\_fieldcat-seltext\_l = 'NAME'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos ='3'.  
  wa\_fieldcat-fieldname = 'EBELN'.  
  wa\_fieldcat-seltext\_l = 'PURCHASING DOC NO'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos ='4'.  
  wa\_fieldcat-fieldname = 'AEDAT'.  
  wa\_fieldcat-seltext\_l = 'CREATION DATE'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos ='5'.  
  wa\_fieldcat-fieldname = 'ZTERM'.  
  wa\_fieldcat-seltext\_l = 'TERM OF PAYMENT'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  wa\_fieldcat-col\_pos ='6'.  
  wa\_fieldcat-fieldname = 'LIFNR'.  
  wa\_fieldcat-seltext\_l = 'ACC NO OF SUPPLIER ITEM'.  
  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  SELECT LIFNR NAME1  
    INTO TABLE IT\_LFA1  
    FROM LFA1  
    WHERE LIFNR IN S\_LIFNR.  
  
  IF IT\_LFA1[] IS NOT INITIAL.  
    SELECT EBELN AEDAT ZTERM LIFNR  
      INTO TABLE IT\_EKKO  
      FROM EKKO  
      FOR ALL ENTRIES IN IT\_LFA1  
      WHERE LIFNR EQ IT\_LFA1-LIFNR.  
  
   DELETE ADJACENT DUPLICATES FROM IT\_LFA1 COMPARING LIFNR.  
   SORT IT\_LFA1 BY LIFNR.  
  
  
   LOOP AT IT\_LFA1 INTO WA\_LFA1.  
     READ TABLE IT\_EKKO INTO WA\_EKKO WITH KEY LIFNR = WA\_LFA1-LIFNR BINARY SEARCH.  
      MOVE WA\_LFA1-LIFNR TO WA\_FINAL-LIFNR.  
      MOVE WA\_LFA1-NAME1 TO WA\_FINAL-NAME1.  
      MOVE WA\_EKKO-EBELN TO WA\_FINAL-EBELN.  
      MOVE WA\_EKKO-AEDAT TO WA\_FINAL-AEDAT.  
      MOVE WA\_EKKO-ZTERM TO WA\_FINAL-ZTERM.  
  
  APPEND WA\_FINAL TO IT\_FINAL.  
  
  ENDLOOP.  
  
  ELSE.  
    WRITE : 'NO RECORDS FOUND'.  
  ENDIF.  
  
  
  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form INIT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM init .  
  
  s\_lifnr-low = '1'.  
  s\_lifnr-high = '100'.  
  append s\_lifnr.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK                 = ' '  
\*     I\_BYPASSING\_BUFFER                = ' '  
\*     I\_BUFFER\_ACTIVE                   = ' '  
     I\_CALLBACK\_PROGRAM                = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*     I\_CALLBACK\_USER\_COMMAND           = ' '  
     I\_CALLBACK\_TOP\_OF\_PAGE            = 'UST\_FORM'  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
\*     I\_GRID\_TITLE                      =  
\*     I\_GRID\_SETTINGS                   =  
\*     IS\_LAYOUT                         =  
     IT\_FIELDCAT                       = IT\_FIELDCAT  
\*     IT\_EXCLUDING                      =  
\*     IT\_SPECIAL\_GROUPS                 =  
\*     IT\_SORT                           =  
\*     IT\_FILTER                         =  
\*     IS\_SEL\_HIDE                       =  
\*     I\_DEFAULT                         = 'X'  
\*     I\_SAVE                            = ' '  
\*     IS\_VARIANT                        =  
\*     IT\_EVENTS                         =  
\*     IT\_EVENT\_EXIT                     =  
\*     IS\_PRINT                          =  
\*     IS\_REPREP\_ID                      =  
\*     I\_SCREEN\_START\_COLUMN             = 0  
\*     I\_SCREEN\_START\_LINE               = 0  
\*     I\_SCREEN\_END\_COLUMN               = 0  
\*     I\_SCREEN\_END\_LINE                 = 0  
\*     I\_HTML\_HEIGHT\_TOP                 = 0  
\*     I\_HTML\_HEIGHT\_END                 = 0  
\*     IT\_ALV\_GRAPHICS                   =  
\*     IT\_HYPERLINK                      =  
\*     IT\_ADD\_FIELDCAT                   =  
\*     IT\_EXCEPT\_QINFO                   =  
\*     IR\_SALV\_FULLSCREEN\_ADAPTER        =  
\*     O\_PREVIOUS\_SRAL\_HANDLER           =  
\*     O\_COMMON\_HUB                      =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER           =  
\*     ES\_EXIT\_CAUSED\_BY\_USER            =  
    TABLES  
      t\_outtab                          = IT\_FINAL  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                     = 1  
\*     OTHERS                            = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
ENDFORM.  
  
FORM UST\_FORM.  
  
  DATA : IT\_HEADER TYPE SLIS\_T\_LISTHEADER,  
           WA\_HEADER TYPE SLIS\_LISTHEADER.  
  
  wa\_header-typ = 'H'. " HEADING ONLY USTGLOBAL IE ONLY INFO  
\*  wa\_header-typ = 'S'. "  INFO PLUS KEY  
\* WA\_HEADER-TYP = 'A'. " ITALIC  
  
  wa\_header-info = 'UST GLOBAL'.  
  wa\_header-key = 'HYDERABAD'.  
  append wa\_header to It\_header.  
\*\*\*\*\*\*\*  
  wa\_header-typ = 'S'.  
  wa\_header-info = sy-datum.  
  wa\_header-key = sy-uzeit.  
  append wa\_header to It\_header.  
  
  CALL FUNCTION 'REUSE\_ALV\_COMMENTARY\_WRITE'  
    EXPORTING  
      it\_list\_commentary       = IT\_HEADER  
      I\_LOGO                   = 'Z353\_UST\_LOGO\_SRAVAN'  
\*     I\_END\_OF\_LIST\_GRID       =  
\*     I\_ALV\_FORM               =  
            .  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z353\_ALV\_LOGO  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_ALV\_LOGO\_OPTIMIZED.  
  
INCLUDE Z253\_ALV\_OPTILOGI\_TOP.  
\*include z253\_alv\_logo\_top.  
  
SELECT-OPTIONS s\_lifnr for wa\_lfa1-lifnr OBLIGATORY.  
  
INITIALIZATION.  
PERFORM INIT.  
  
START-OF-SELECTION.  
\*perform FIELDCAT\_DATA USING TEXT-001 TEXT-002 TEXT-003.  
  perform FIELDCAT\_DATA USING 'ACCOUNT NO OF SUPILER' 'LIFNR' 'IT\_FINAL'.  
  perform FIELDCAT\_DATA USING 'NAME' 'NAME1' 'IT\_FINAL'.  
  perform FIELDCAT\_DATA USING 'PURCHASING DOC NO' 'EBELN' 'IT\_FINAL'.  
  perform FIELDCAT\_DATA USING 'CREATION DATE' 'AEDAT' 'IT\_FINAL'.  
  perform FIELDCAT\_DATA USING 'TERMS OF PAYMENT' 'ZTERM' 'IT\_FINAL'.  
PERFORM GET\_DATA.  
END-OF-SELECTION.  
  
PERFORM DISPLAY\_DATA.  
  
\*&---------------------------------------------------------------------\*  
\*& Form fieldcat\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM fieldcat\_data USING P\_A P\_B P\_C.  
\*  wa\_fieldcat-col\_pos ='1'.  
  
   wa\_fieldcat-seltext\_l = P\_A.  
  wa\_fieldcat-fieldname = P\_B.  
  WA\_FIELDCAT-TABNAME = P\_C.  
  
\*  wa\_fieldcat-col\_pos ='1'.  
\*  wa\_fieldcat-fieldname = 'LIFNR'.  
\*  wa\_fieldcat-seltext\_l = 'ACCOUNT NAME OF SUPPLIER'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
\*  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
\*  
\*  wa\_fieldcat-col\_pos ='2'.  
\*  wa\_fieldcat-fieldname = 'NAME1'.  
\*  wa\_fieldcat-seltext\_l = 'NAME'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
\*  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
\*  
\*  wa\_fieldcat-col\_pos ='3'.  
\*  wa\_fieldcat-fieldname = 'EBELN'.  
\*  wa\_fieldcat-seltext\_l = 'PURCHASING DOC NO'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
\*  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
\*  
\*  wa\_fieldcat-col\_pos ='4'.  
\*  wa\_fieldcat-fieldname = 'AEDAT'.  
\*  wa\_fieldcat-seltext\_l = 'CREATION DATE'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
\*  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
\*  
\*  wa\_fieldcat-col\_pos ='5'.  
\*  wa\_fieldcat-fieldname = 'ZTERM'.  
\*  wa\_fieldcat-seltext\_l = 'TERM OF PAYMENT'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
\*  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
\*  
\*  wa\_fieldcat-col\_pos ='6'.  
\*  wa\_fieldcat-fieldname = 'LIFNR'.  
\*  wa\_fieldcat-seltext\_l = 'ACC NO OF SUPPLIER ITEM'.  
\*  WA\_FIELDCAT-TABNAME = 'IT\_FINAL'.  
\*  
  APPEND WA\_FIELDCAT TO IT\_FIELDCAT.  
  CLEAR WA\_FIELDCAT.  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  SELECT LIFNR NAME1  
    INTO TABLE IT\_LFA1  
    FROM LFA1  
    WHERE LIFNR IN S\_LIFNR.  
  
  IF IT\_LFA1[] IS NOT INITIAL.  
    SELECT EBELN AEDAT ZTERM LIFNR  
      INTO TABLE IT\_EKKO  
      FROM EKKO  
      FOR ALL ENTRIES IN IT\_LFA1  
      WHERE LIFNR EQ IT\_LFA1-LIFNR.  
  
   DELETE ADJACENT DUPLICATES FROM IT\_LFA1 COMPARING LIFNR.  
   SORT IT\_LFA1 BY LIFNR.  
  
  
   LOOP AT IT\_LFA1 INTO WA\_LFA1.  
     READ TABLE IT\_EKKO INTO WA\_EKKO WITH KEY LIFNR = WA\_LFA1-LIFNR BINARY SEARCH.  
      MOVE WA\_LFA1-LIFNR TO WA\_FINAL-LIFNR.  
      MOVE WA\_LFA1-NAME1 TO WA\_FINAL-NAME1.  
      MOVE WA\_EKKO-EBELN TO WA\_FINAL-EBELN.  
      MOVE WA\_EKKO-AEDAT TO WA\_FINAL-AEDAT.  
      MOVE WA\_EKKO-ZTERM TO WA\_FINAL-ZTERM.  
  
  APPEND WA\_FINAL TO IT\_FINAL.  
  
  ENDLOOP.  
  
  ELSE.  
    WRITE : 'NO RECORDS FOUND'.  
  ENDIF.  
  
  
  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form INIT  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM init .  
  
  s\_lifnr-low = '1'.  
  s\_lifnr-high = '100'.  
  append s\_lifnr.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISPLAY\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  
  TY\_LAYOUT-zebra = 'X'.  
\*  TY\_LAYOUT-  
  
  CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'  
   EXPORTING  
\*     I\_INTERFACE\_CHECK                 = ' '  
\*     I\_BYPASSING\_BUFFER                = ' '  
\*     I\_BUFFER\_ACTIVE                   = ' '  
     I\_CALLBACK\_PROGRAM                = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*     I\_CALLBACK\_USER\_COMMAND           = ' '  
     I\_CALLBACK\_TOP\_OF\_PAGE            = 'UST\_FORM'  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
\*     I\_GRID\_TITLE                      =  
\*     I\_GRID\_SETTINGS                   =  
    IS\_LAYOUT                         = TY\_LAYOUT  
     IT\_FIELDCAT                       = IT\_FIELDCAT  
\*     IT\_EXCLUDING                      =  
\*     IT\_SPECIAL\_GROUPS                 =  
\*     IT\_SORT                           =  
\*     IT\_FILTER                         =  
\*     IS\_SEL\_HIDE                       =  
\*     I\_DEFAULT                         = 'X'  
\*     I\_SAVE                            = ' '  
\*     IS\_VARIANT                        =  
\*     IT\_EVENTS                         =  
\*     IT\_EVENT\_EXIT                     =  
\*     IS\_PRINT                          =  
\*     IS\_REPREP\_ID                      =  
\*     I\_SCREEN\_START\_COLUMN             = 0  
\*     I\_SCREEN\_START\_LINE               = 0  
\*     I\_SCREEN\_END\_COLUMN               = 0  
\*     I\_SCREEN\_END\_LINE                 = 0  
\*     I\_HTML\_HEIGHT\_TOP                 = 0  
\*     I\_HTML\_HEIGHT\_END                 = 0  
\*     IT\_ALV\_GRAPHICS                   =  
\*     IT\_HYPERLINK                      =  
\*     IT\_ADD\_FIELDCAT                   =  
\*     IT\_EXCEPT\_QINFO                   =  
\*     IR\_SALV\_FULLSCREEN\_ADAPTER        =  
\*     O\_PREVIOUS\_SRAL\_HANDLER           =  
\*     O\_COMMON\_HUB                      =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER           =  
\*     ES\_EXIT\_CAUSED\_BY\_USER            =  
    TABLES  
      t\_outtab                          = IT\_FINAL  
   EXCEPTIONS  
     PROGRAM\_ERROR                     = 1  
     OTHERS                            = 2  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
  
ENDFORM.  
  
FORM UST\_FORM.  
  
  DATA : IT\_HEADER TYPE SLIS\_T\_LISTHEADER,  
           WA\_HEADER TYPE SLIS\_LISTHEADER.  
  
  wa\_header-typ = 'H'. " HEADING ONLY USTGLOBAL IE ONLY INFO  
\*  wa\_header-typ = 'S'. "  INFO PLUS KEY  
\* WA\_HEADER-TYP = 'A'. " ITALIC  
  
  wa\_header-info = 'UST GLOBAL'.  
  wa\_header-key = 'HYDERABAD'.  
  append wa\_header to It\_header.  
\*\*\*\*\*\*\*  
  wa\_header-typ = 'S'.  
  wa\_header-info = sy-datum.  
  wa\_header-key = sy-uzeit.  
  append wa\_header to It\_header.  
  
  CALL FUNCTION 'REUSE\_ALV\_COMMENTARY\_WRITE'  
    EXPORTING  
      it\_list\_commentary       = IT\_HEADER  
      I\_LOGO                   = 'Z353\_UST\_LOGO\_SRAVAN'  
\*     I\_END\_OF\_LIST\_GRID       =  
\*     I\_ALV\_FORM               =  
            .  
ENDFORM.

For all entries

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_FORALLENTRIES\_PRACTICE2  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z353\_forallentries\_practice2 NO STANDARD PAGE HEADING LINE-COUNT 20(3).  
TABLES sscrfields.  
  
INCLUDE z353\_forallentries\_top.  
  
SELECTION-SCREEN BEGIN OF LINE.  
  SELECTION-SCREEN : PUSHBUTTON (10) p1 USER-COMMAND display.  
  SELECTION-SCREEN : PUSHBUTTON (10) p2 USER-COMMAND exit.  
  
SELECTION-SCREEN END OF LINE.  
  
SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-000.  
  SELECT-OPTIONS s\_lifnr FOR wa\_lfa1-lifnr.  
SELECTION-SCREEN END OF BLOCK b1.  
  
INITIALIZATION.  
  MOVE 'DISPLAY' TO p1.  
  MOVE 'EXIT' TO p2.  
  
  
AT SELECTION-SCREEN ON s\_lifnr.  
  IF sScrfieldS-ucomm = 'DISPLAY'.  
    sscrfields-ucomm = 'ONLI'.  
  ELSEIF sscrfields-ucomm = 'EXIT'.  
    LEAVE PROGRAM.  
  ENDIF.  
  
START-OF-SELECTION.  
  PERFORM get\_data.  
  
END-OF-SELECTION.  
  
  PERFORM display\_data.  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  
  SELECT lfa1~lifnr name1 ebeln ekko~aedat zterm  
    INTO TABLE it\_lfa1  
    FROM lfa1 INNER JOIN ekko  
    ON lfa1~lifnr EQ ekko~lifnr  
  WHERE lfa1~lifnr IN s\_lifnr.  
  
  IF it\_lfa1[] IS NOT INITIAL.  
    SELECT ebeln ebelp matnr  
      INTO TABLE it\_ekpo  
      FROM ekpo  
      FOR ALL ENTRIES IN it\_lfa1  
    WHERE ebeln EQ it\_lfa1-ebeln.  
  
    DELETE ADJACENT DUPLICATES FROM it\_lfa1 COMPARING ebeln.  
    SORT it\_lfa1 BY ebeln.  
  
    LOOP AT it\_lfa1 INTO wa\_lfa1.  
      READ TABLE it\_ekpo INTO wa\_ekpo WITH KEY ebeln = wa\_lfa1-ebeln BINARY SEARCH.  
  
      MOVE : wa\_lfa1-lifnr TO wa\_final-lifnr,  
             wa\_lfa1-name1 TO wa\_final-name1,  
             wa\_lfa1-ebeln TO wa\_final-ebeln,  
             wa\_lfa1-aedat TO wa\_final-aedat,  
             wa\_lfa1-zterm TO wa\_final-zterm,  
             wa\_ekpo-ebelp TO wa\_final-ebelp,  
             wa\_ekpo-matnr TO wa\_final-matnr.  
      APPEND wa\_final TO it\_final.  
    ENDLOOP.  
  
  ELSE.  
    WRITE : ' no entries found'.  
  ENDIF.  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form display\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  
  cl\_demo\_output=>display( it\_final ).  
  
ENDFORM.

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\*&---------------------------------------------------------------------\*  
\*& Report Z253\_PROGRAM\_FORALLENTRIES  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z253\_PROGRAM\_FORALLENTRIES.  
  
include z253\_program\_forallentries\_top. " include contains global data  
  
select-options s\_vbeln for wa\_vbak-vbeln.  
  
START-OF-SELECTION.  
  
select vbeln erdat erzet vbtyp  " select statement for first table  
     into table it\_vbak  
     from vbak  
     where vbeln in s\_vbeln.  
  
if not it\_vbak is INITIAL.  
  
select vbeln posnr matnr  " select statement for it\_vbap  
  into table it\_vbap  
  from vbap  
  FOR ALL ENTRIES IN it\_vbak  
  where vbeln eq it\_vbak-vbeln.  
  
delete ADJACENT DUPLICATES FROM it\_vbak COMPARING vbeln.  
sort it\_vbak by vbeln.  
  
loop at it\_vbak into wa\_vbak.  
  
read table it\_vbap into wa\_vbap with key vbeln = wa\_vbak-vbeln BINARY SEARCH.  
  
move : wa\_vbak-vbeln to wa\_final-vbeln,  
       wa\_vbak-erdat to wa\_final-erdat,  
       wa\_vbak-erzet to wa\_final-erzet,  
       wa\_vbak-vbtyp to wa\_final-vbtyp,  
       wa\_vbap-posnr to wa\_final-posnr,  
       wa\_vbap-matnr to wa\_final-matnr.  
  
  append wa\_final to it\_final.  
  
loop at it\_final into wa\_final.  
  write : / wa\_final-vbeln,  
            wa\_final-erdat,  
            wa\_final-erzet,  
            wa\_final-posnr,  
            wa\_final-vbtyp,  
            wa\_final-matnr.  
  endloop.  
  
endloop.  
else.  
  write 'no entries found'.  
endif.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*

**

\*&---------------------------------------------------------------------\*  
\*& Report Z353\_FORALLENT\_3TABLES  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z353\_FORALLENT\_3TABLES NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500.  
  
INCLUDE z353\_forallent\_3tables\_top.  
  
select-OPTIONS s\_matnr for wa\_mara-matnr.  
  
INITIALIZATION.  
s\_matnr-low = '1'.  
s\_matnr-high = '100'.  
append s\_matnr.  
  
START-OF-SELECTION.  
  
select matnr ersda ernam mtart  
  into table it\_mara  
  from mara  
  where matnr in s\_matnr.  
if it\_mara[] is not initial. " checks weather it\_mara has values or not  
\*  write ' entries found '.  
  select matnr werks pstat into table it\_marc  
    from marc                     " it scans throu8ght all the entries in it\_mara and checks entry aganist conition  
    for ALL ENTRIES in it\_mara  
    where matnr = it\_mara-matnr.  
  
 if it\_marc[] is not initial.  
   select matnr maktx  
     into table it\_makt  
     from makt  
     for ALL ENTRIES IN it\_marc  
     where matnr = it\_marc-matnr.  
 endif.  
  
 delete ADJACENT DUPLICATES FROM it\_mara COMPARING matnr.  
  
sort it\_mara BY matnr.  
  
  
  
  loop at it\_mara into wa\_mara.  
    read table it\_marc into wa\_marc WITH KEY matnr = wa\_mara-matnr BINARY SEARCH.  
      READ TABLE it\_makt into wa\_makt WITH KEY matnr = wa\_marc-matnr BINARY SEARCH.  
  
      MOVE: wa\_mara-matnr to wa\_final-matnr,  
      wa\_mara-ersda to wa\_final-ersda,  
      wa\_mara-ernam to wa\_final-ernam,  
      wa\_mara-mtart to wa\_final-mtart,  
      wa\_marc-werks to wa\_final-werks,  
      wa\_marc-PSTAT to wa\_final-PSTAT,  
      wa\_makt-maktx to wa\_final-maktx.  
  
APPEND wa\_final to it\_final.  
ENDLOOP.  
  
  
 perform display\_data.  
  
else.  
  write 'no entries '.  
endif.  
\*&---------------------------------------------------------------------\*  
\*& Form display\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM display\_data .  
  
cl\_demo\_output=>display( it\_final ).  
  
  
  
ENDFORM.

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