\*&---------------------------------------------------------------------\*  
\*& Report ZCL\_420\_LC\_METH\_CALL  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT ZCL\_420\_LC\_METH\_CALL.  
class cl\_meth\_call DEFINITION.  
  public SECTION.  
  methods i\_meth2.  
  class-METHODS s\_meth2.  
ENDCLASS.  
  
class cl\_meth\_call IMPLEMENTATION.  
  METHOD i\_meth2.  
  write 'Implementation of local instance method using instance attributes'.  
  endmethod.  
  METHOD s\_meth2.  
  write 'Implementation of local instance method using static attributes'.  
  endmethod.  
ENDCLASS.  
  
START-OF-SELECTION.  
data i\_obj type REF TO cl\_meth\_call.  
  create OBJECT i\_obj.  
  i\_obj->i\_meth2( ).  
  skip 2.  
  call method cl\_meth\_call=>s\_meth2( ).

\*&---------------------------------------------------------------------\*  
REPORT ZCL\_420\_LC\_DEC.  
class cl\_ust DEFINITION.  
  public section.  
  data : i\_v2 type i value 100.  
  class-data s\_v2 type i value 300.  
endclass.  
data i\_obj1 type REF TO cl\_ust .  
create OBJECT i\_obj1.  
START-OF-SELECTION.  
write : / i\_obj1->i\_v2,  
        cl\_ust=>s\_v2,  
        ZCL\_420\_GL\_CLASS=>s\_v1.  
  
  
end-of-SELECTION.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_OOPS\_METHODS\_PRACT1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z420\_oops\_methods\_pract1.  
\*\*class c1 DEFINITION.  
\*\*  public section.  
\*\*  class-data : num type i. ""static attribute  
\*\*  methods : m1.  
\*\*ENDCLASS.  
\*\*  
\*\*class c1 IMPLEMENTATION.  
\*\*  method m1.  
\*\*    num = num + 1.  
\*\*    write : / num.  
\*\*  ENDMETHOD.  
\*\*ENDCLASS.  
\*\*  
\*\*START-OF-SELECTION.  
\*\*c1=>num = 5.  
\*\*write :  c1=>num.  
\*\*data i\_obj type REF TO c1.  
\*\*create object i\_obj.  
\*\*call method: i\_obj->m1.  
  
\*# 2 Different ways OF calling the METHOD WITH one IMPORT PARAMETER  
  
\*class c1 DEFINITION.  
\*  public section.  
\*  data : num type i value 5. ""instance attribute  
\*  methods : m1 IMPORTING i\_input type i.  
\*ENDCLASS.  
\*  
\*class c1 IMPLEMENTATION.  
\*  method m1.  
\*    num = num + i\_input.  
\*    write : / num.  
\*  ENDMETHOD.  
\*ENDCLASS.  
\*  
\*START-OF-SELECTION.  
\*data i\_obj type REF TO c1.  
\*create object i\_obj.  
\*call method: i\_obj->m1( i\_input = 5 ).  
  
  
\*\*# 3  IMPORT PARAMETERS passed BY REF. can’t be changed inside the METHOD  
\*\*  
\*PARAMETERS p\_num type i.  
\*\*DATA : num TYPE I .  
\*  
\*CLASS C1 DEFINITION.  
\*  
\*  PUBLIC SECTION.  
\*  METHODS : METH1 IMPORTING INPUT1  TYPE I  " BY REF  
\*                       VALUE(input2) TYPE I. " BY VALUE  
\*ENDCLASS.  
\*  
\*CLASS C1 IMPLEMENTATION.  
\*  METHOD : METH1.  
\*    Input2 = 4.  
\*    WRITE:/5 input2.  
\*  ENDMETHOD.  
\*ENDCLASS.  
\*  
\*START-OF-SELECTION.  
\*DATA : OREF1 TYPE REF TO C1.  
\*CREATE OBJECT : OREF1.  
\*\*num = 3.  
\*CALL METHOD OREF1->METH1 EXPORTING INPUT1 = 5  
\*                                   input2 = p\_num.  
  
\*  
\*\*\*\*# 4 Use OF EXPORT AND CHANGING PARAMETERS OF a METHOD  
  
  
\*           salary = lv\_salary.  
\*  
\*  WRITE:/5 'After method call, salary and tax are' ,  
\*                                      lv\_salary ,  
\*                                      lv\_tax .  
  
  
\*\*\*\*\*\*\*8  CONSTRUCTOR  
\*  
  
\*class c1 DEFINITION.  
\*  PUBLIC SECTION.  
\*  methods : constructor.  
\*endclass.  
\*  
\*class c1 IMPLEMENTATION.  
\*  method : constructor.  
\*    write 'Inside method'.  
\*  ENDMETHOD.  
\*ENDCLASS.  
\*  
\*START-OF-SELECTION.  
\*data : i\_obj type ref to c1.  
\*create object i\_obj.  
\*end-of-SELECTION.  
  
\*constructor is 2 types  
\* instance  
\* static  
\*instance constructor can have import parameters  
  
\*CLASS c1 DEFINITION.  
\*  PUBLIC SECTION.  
\*    METHODS : constructor IMPORTING i\_input TYPE d.  
\*ENDCLASS.  
\*  
\*CLASS c1 IMPLEMENTATION.  
\*  METHOD : constructor .  
\*    WRITE : 'Inside constructor ' , 'Date :' ,i\_input DD/MM/YYYY.  
\*  ENDMETHOD.  
\*ENDCLASS.  
\*  
\*START-OF-SELECTION.  
\*  DATA : i\_obj TYPE REF TO c1.  
\*  CREATE OBJECT i\_obj EXPORTING i\_input = sy-datum.  
\*  
\*END-OF-SELECTION.  
  
\*inxtance constructor can have exceptions  
class c1 DEFINITION.  
  public section.  
  methods : constructor importing num type i  
                        EXCEPTIONS e1.  
endclass.  
  
class c1 IMPLEMENTATION.  
  method : constructor .  
    if num > 5.  
      raise e1.  
    else.  
      write : 'congratulations you are eligible ' , num.  
   ENDIF.  
 ENDMETHOD.  
endclass.  
  
START-OF-SELECTION.  
PARAMETERS p\_num type i.  
data i\_obj TYPE REF TO c1.  
create  OBJECT : i\_obj exporting num = p\_num  
                EXCEPTIONS e1 = 4.  
if sy-subrc eq 4.  
  write : 'you are not eligible ',p\_num.  
ENDIF.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_OOPS\_INTERITANCE  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT z420\_oops\_interitance.  
CLASS c1 DEFINITION.  
  PUBLIC SECTION.  
    METHODS : meth1.  
    DATA : a TYPE i VALUE 10.  
  
  PROTECTED SECTION.  
    METHODS : meth2.  
    DATA : b TYPE i VALUE 20.  
  
ENDCLASS.  
  
CLASS c1 IMPLEMENTATION.  
  METHOD : meth1.  
    WRITE : / 'CURSOR IN C1 ',a .  
  ENDMETHOD.  
  METHOD : meth2.  
    WRITE : / 'CURSOR IN C1 ',b.  
  ENDMETHOD.  
ENDCLASS.  
  
CLASS c2 DEFINITION INHERITING FROM c1.  
  PUBLIC SECTION.  
    METHODS : m1.  
ENDCLASS.  
  
CLASS c2 IMPLEMENTATION.  
  METHOD : m1.  
  
    DATA : c TYPE i VALUE 30.  
    WRITE : / 'CURSOR IN C2 ',c.  
  
    CALL METHOD : meth1,meth2.  
  ENDMETHOD.  
ENDCLASS.  
  
START-OF-SELECTION.  
  DATA : i\_obj  TYPE REF TO c1,  
         i\_obj2 TYPE REF TO c2.  
  CREATE OBJECT : i\_obj,i\_obj2.  
  CALL METHOD : i\_obj2->m1.  
  
END-OF-SELECTION.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_MARA\_MKAT\_JOINS  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_MARA\_MKAT\_JOINS NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z420\_msg.  
include zmara\_mkat\_ls.  
select-OPTIONS s\_matnr for wa\_tab-matnr.  
INITIALIZATION.  
clear :lt\_tab,wa\_tab.  
  
  s\_matnr-low = '1'.  
  s\_matnr-high = '50'.  
  append s\_matnr.  
  
  
  at SELECTION-SCREEN on s\_matnr.  
    SELECT single mara~matnr into lv\_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 disp\_data.  
 TOP-OF-PAGE.  
 uline.  
 write : /'material no',sy-vline,  
 50 'Time ',sy-vline,  
 70 'name',sy-vline,  
 90 'Date',sy-vline,  
 100 'Language',sy-vline,  
 105 'disp',sy-vline.  
 uline.  
 end-of-PAGE.  
 WRITE : / 'Page no :',sy-pagno,  
 'date :',sy-datum,  
 'time : ',sy-uzeit.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  select mara~MATNR  
  mara~ERSDA  
mara~ERNAM  
mara~LAEDA  
  makt~SPRAS  
makt~MAKTX into table lt\_tab from mara inner join makt on mara~matnr = makt~matnr where mara~matnr in s\_matnr.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_data .  
  loop at lt\_tab into wa\_tab.  
    write : / wa\_tab-matnr,sy-vline,  
  wa\_tab-ersda,sy-vline,  
wa\_tab-ernam,sy-vline,  
wa\_tab-laeda,sy-vline,  
  wa\_tab-spras,sy-vline,  
wa\_tab-maktx,sy-vline.  
    ENDLOOP.  
  
ENDFORM.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_FOR\_ALL\_FORMATS\_VBAK\_VBAP  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_FOR\_ALL\_FORMATS\_VBAK\_VBAP .  
include z420\_vbak\_vbap\_top.  
select-options s\_vbeln for lv\_vbeln.  
\*\*INITIALIZATION.  
\*\*s\_vbeln-low = '1'.  
\*\*s\_vbeln-high = '2'.  
\*\*append s\_vbeln.  
\*\*select single vbeln into lv\_vbeln from vbap where vbeln in s\_vbeln.  
\*\*\*\*\*\*\*  SELECT SINGLE matnr  
\*\*\*\*\*\*\*  into lv\_matnr  
\*\*\*\*\*\*\*   from mara  
\*\*\*\*\*\*\*   WHERE matnr in s\_matnr.  
\*\*if sy-subrc eq 0.  
\*\*  MESSAGE s000.  
\*\*else.  
\*\*  message e001.  
\*\*ENDIF.  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&-------------  
  select vbeln posnr matnr  
    into table it\_tab1  
    from vbap  
    where vbeln in s\_vbeln.  
  
   if not it\_tab1[] is INITIAL.  
  
   select vbeln erdat erzet  
     into table it\_tab2  
     from vbak  
     for ALL ENTRIES IN it\_tab1  
     where vbeln eq it\_tab1-vbeln.  
  
   delete ADJACENT DUPLICATES FROM it\_tab1 COMPARING vbeln.  
  
   sort it\_tab2 by vbeln.  
  
   loop at it\_tab1 into wa\_tab1.  
  
   READ TABLE it\_tab2 into wa\_tab2 with key vbeln = wa\_tab1-vbeln BINARY SEARCH.  
  
   if sy-subrc eq 0.  
     move : wa\_tab1-vbeln to wa\_final-vbeln,  
     wa\_tab1-posnr to wa\_final-posnr,  
     wa\_tab1-matnr to wa\_final-matnr,  
     wa\_tab2-erdat to wa\_final-erdat,  
     wa\_tab2-erzet to wa\_final-erzet.  
   append wa\_final to it\_final.  
  
   else.  
     continue.  
  
   ENDIF.  
  
  ENDLOOP.  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
  
  LOOP AT it\_final INTO wa\_final.  
    WRITE:/ wa\_final-vbeln,  
            wa\_final-posnr,  
            wa\_final-matnr,  
            wa\_final-erdat,  
            wa\_final-erzet.  
  
     ENDLOOP.  
  
else.  
  
WRITE ' records are not found'  .  
  
  endif.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_FOR\_ALL\_FORMATS\_PRACT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_FOR\_ALL\_FORMATS\_PRACT.  
  
  
INCLUDE Z420\_FORALL\_ENTRIES\_TOP.  
  
  
TABLES mara.  
  
SELECT-OPTIONS s\_matnr FOR mara-matnr.  
  
START-OF-SELECTION.  
  
  SELECT  matnr  
          mbrsh  
          mtart  
          meins  
          brgew  
          ntgew  
     INTO TABLE it\_tab1  
     FROM mara  
    WHERE matnr IN s\_matnr .  
  
if not it\_tab1[] is INITIAL.   " # 1 \*\*\*\*\*  
  
SELECT  matnr  
        werks  
        PSTAT  
        LVORM  
INTO TABLE it\_tab2  
FROM marc  
  
FOR ALL ENTRIES IN it\_tab1   "  # 2 \*\*\*\*\*  
WHERE matnr eq it\_tab1-matnr.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*loop at it\_tab1 into wa\_tab1.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  loop at it\_tab2 INTO wa\_tab2.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  WRITE : wa\_tab1-matnr....  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  ENDLOOP.  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ENDLOOP  
  
  
\*\*\*\*  .  
\*\*\*\*IF NOT IT\_TAB2[] IS INITIAL.  
\*\*\*\*  
\*\*\*\*  SELECT  matnr  
\*\*\*\*          MAKTX  
\*\*\*\*       INTO TABLE it\_tab3  
\*\*\*\*  FROM makt  
\*\*\*\*  FOR ALL ENTRIES IN it\_tab2   "  # 2 \*\*\*\*\*  
\*\*\*\*  WHERE matnr EQ it\_tab2-matnr and  
\*\*\*\*        spras eq sy-langu.  
\*\*\*\*  
\*\*\*\*\*  
DELETE ADJACENT DUPLICATES FROM it\_tab1 COMPARING MATNR.  " # 3 \*\*\*\*\*  
\*  
sort  it\_tab2 by matnr .  " # 4 \*\*\*\*\*  
  
loop at it\_tab1 into wa\_tab1.  
  
READ TABLE it\_tab2 INTO wa\_tab2 WITH KEY matnr = wa\_tab1-matnr BINARY SEARCH. " # 5 \*\*\*\*  
  
\*\*\*\*\*\*\*READ TABLE it\_tab3 INTO wa\_tab3 WITH KEY matnr = wa\_tab1-matnr BINARY SEARCH. " # 5 \*\*\*\*  
  
IF sy-subrc  = 0.  
  
MOVE: wa\_tab1-matnr to wa\_final-matnr,  
      wa\_tab1-mbrsh to wa\_final-mbrsh,  
      wa\_tab1-mtart to wa\_final-mtart,  
      wa\_tab1-meins to wa\_final-meins,  
      wa\_tab1-brgew to wa\_final-brgew,  
      wa\_tab1-ntgew to wa\_final-ntgew,  
  
      wa\_tab2-werks to wa\_final-werks,  
      wa\_tab2-PSTAT to wa\_final-PSTAT,  
      wa\_tab2-LVORM to wa\_final-LVORM.  
  
\*       wa\_tab3-maktx to wa\_final-maktx.  
  
APPEND wa\_final to it\_final.  
  
else.  
  CONTINUE.  
endif.  
ENDloop.  
  
  LOOP AT it\_final INTO wa\_final.  
    WRITE:/ wa\_final-matnr,  
            wa\_final-mbrsh,  
            wa\_final-mtart,  
            wa\_final-meins,  
            wa\_final-brgew,  
            wa\_final-ntgew,  
            wa\_final-werks,  
            wa\_final-PSTAT,  
            wa\_final-LVORM.  
\*            wa\_final-maktx.  
  
     ENDLOOP.  
  
else.  
  
WRITE 'mat master records are not found'  .  
  
  endif.  
\*  endif.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_FCAT\_HRC\_P1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_FCAT\_HRC\_P1 .  
include z420\_hierarche\_prac1.  
TABLES VBAK.  
select-OPTIONS s\_vbeln for vbak-vbeln.  
START-OF-SELECTION.  
PERFORM get\_data.  
perform create\_fcat.  
  
perform hierarchydisplay.  
\*&---------------------------------------------------------------------\*  
\*& Form create\_fcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM create\_fcat .  
  w\_fcat-col\_pos = '1'.  
  w\_fcat-fieldname = 'VBELN'.  
  w\_fcat-tabname = 'it\_vbak'.  
  w\_fcat-ref\_fieldname = 'vbeln'.  
  w\_fcat-ref\_tabname = 'vbak'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  w\_fcat-col\_pos = '2'.  
  w\_fcat-fieldname = 'erdat'.  
  w\_fcat-tabname = 'it\_vbak'.  
  w\_fcat-ref\_fieldname = 'erdat'.  
  w\_fcat-ref\_tabname = 'vbak'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  w\_fcat-col\_pos = '3'.  
  w\_fcat-fieldname = 'erzet'.  
  w\_fcat-tabname = 'it\_vbak'.  
  w\_fcat-ref\_fieldname = 'erzet'.  
  w\_fcat-ref\_tabname = 'vbak'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  w\_fcat-col\_pos = '1'.  
  w\_fcat-fieldname = 'VBELN'.  
  w\_fcat-tabname = 'it\_vbap'.  
  w\_fcat-ref\_fieldname = 'vbeln'.  
  w\_fcat-ref\_tabname = 'vbap'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  w\_fcat-col\_pos = '2'.  
  w\_fcat-fieldname = 'posnr'.  
  w\_fcat-tabname = 'it\_vbap'.  
  w\_fcat-ref\_fieldname = 'posnr'.  
  w\_fcat-ref\_tabname = 'vbap'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  w\_fcat-col\_pos = '3'.  
  w\_fcat-fieldname = 'matnr'.  
  w\_fcat-tabname = 'it\_vbap'.  
  w\_fcat-ref\_fieldname = 'matnr'.  
  w\_fcat-ref\_tabname = 'vbap'.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  select vbeln erdat erzet from vbak  
    into CORRESPONDING FIELDS OF table it\_vbak  
     where vbeln in s\_vbeln.  
  
  select VBELN  
   POSNR  
  MATNR  from vbap into table it\_vbap  
    where vbeln in s\_vbeln.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form hierarchydisplay  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM hierarchydisplay .  
  it\_key-header01 =  'VBELN'.  
layout-expand\_fieldname = 'UST'.  
  CALL FUNCTION 'REUSE\_ALV\_HIERSEQ\_LIST\_DISPLAY'  
    EXPORTING  
\*     I\_INTERFACE\_CHECK              = ' '  
     I\_CALLBACK\_PROGRAM             = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET       = ' '  
\*     I\_CALLBACK\_USER\_COMMAND        = ' '  
     IS\_LAYOUT                      = layout  
     IT\_FIELDCAT                    = t\_fact[]  
\*     IT\_EXCLUDING                   =  
\*     IT\_SPECIAL\_GROUPS              =  
\*     IT\_SORT                        =  
\*     IT\_FILTER                      =  
\*     IS\_SEL\_HIDE                    =  
\*     I\_SCREEN\_START\_COLUMN          = 0  
\*     I\_SCREEN\_START\_LINE            = 0  
\*     I\_SCREEN\_END\_COLUMN            = 0  
\*     I\_SCREEN\_END\_LINE              = 0  
\*     I\_DEFAULT                      = 'X'  
\*     I\_SAVE                         = ' '  
\*     IS\_VARIANT                     =  
\*     IT\_EVENTS                      =  
\*     IT\_EVENT\_EXIT                  =  
      i\_tabname\_header               = 'it\_vbak'  
      i\_tabname\_item                 = 'it\_vbap'  
\*     I\_STRUCTURE\_NAME\_HEADER        =  
\*     I\_STRUCTURE\_NAME\_ITEM          =  
      is\_keyinfo                     = it\_key  
\*     IS\_PRINT                       =  
\*     IS\_REPREP\_ID                   =  
\*     IS\_HIERSEQ\_SETTINGS            =  
\*     I\_BYPASSING\_BUFFER             =  
\*     I\_BUFFER\_ACTIVE                =  
\*     IR\_SALV\_HIERSEQ\_ADAPTER        =  
\*     IT\_EXCEPT\_QINFO                =  
\*     I\_SUPPRESS\_EMPTY\_DATA          = ABAP\_FALSE  
\*     I\_LIST\_DISPLAY\_ONLY            = ABAP\_FALSE  
\*     O\_COMMON\_HUB                   =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER        =  
\*     ES\_EXIT\_CAUSED\_BY\_USER         =  
    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.  
  write  'No records found'.  
  
ENDFORM.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_FCAT\_HRC\_P1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_FCAT\_HRC\_PF .  
INCLUDE Z420\_HIERARCHE\_PRAC1PF.  
\*include z420\_hierarche\_prac1.  
TABLES VBAK.  
select-OPTIONS s\_vbeln for vbak-vbeln.  
AT SELECTION-SCREEN.  
  SELECT SINGLE VBELN INTO LV\_VBELN FROM VBAK WHERE VBELN IN S\_VBELN.  
START-OF-SELECTION.  
PERFORM GET\_DATA.  
  
PERFORM create\_fcat  USING TEXT-001 TEXT-002 TEXT-001 TEXT-003.  
PERFORM create\_fcat  USING TEXT-005 TEXT-002 TEXT-005 TEXT-003.  
  
PERFORM create\_fcat  USING TEXT-006 TEXT-002 TEXT-006 TEXT-003.  
  
PERFORM create\_fcat  USING TEXT-001 TEXT-009 TEXT-001 TEXT-004.  
  
PERFORM create\_fcat  USING TEXT-007 TEXT-009 TEXT-007 TEXT-004.  
  
PERFORM create\_fcat  USING TEXT-008 TEXT-009 TEXT-008 TEXT-004.  
  
perform hierarchydisplay.  
\*&---------------------------------------------------------------------\*  
\*& Form create\_fcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM create\_fcat USING P\_A P\_B P\_C.  
  DATA INDEX TYPE I VALUE 1.  
  IF INDEX EQ 4.  
    INDEX = 1.  
  ENDIF.  
  w\_fcat-col\_pos = INDEX.  
  w\_fcat-fieldname = P\_A.  
  w\_fcat-tabname = P\_B.  
  w\_fcat-ref\_fieldname = P\_A.  
  w\_fcat-ref\_tabname = P\_C.  
  INDEX = INDEX + 1.  
  APPEND w\_fcat TO t\_fact.  
  CLEAR w\_fcat.  
  
\*  w\_fcat-col\_pos = '2'.  
\*  w\_fcat-fieldname = 'erdat'.  
\*  w\_fcat-tabname = 'it\_vbak'.  
\*  w\_fcat-ref\_fieldname = 'erdat'.  
\*  w\_fcat-ref\_tabname = 'vbak'.  
\*  APPEND w\_fcat TO t\_fact.  
\*  CLEAR w\_fcat.  
\*  
\*  w\_fcat-col\_pos = '3'.  
\*  w\_fcat-fieldname = 'erzet'.  
\*  w\_fcat-tabname = 'it\_vbak'.  
\*  w\_fcat-ref\_fieldname = 'erzet'.  
\*  w\_fcat-ref\_tabname = 'vbak'.  
\*  APPEND w\_fcat TO t\_fact.  
\*  CLEAR w\_fcat.  
\*  
\*  w\_fcat-col\_pos = '1'.  
\*  w\_fcat-fieldname = 'VBELN'.  
\*  w\_fcat-tabname = 'it\_vbap'.  
\*  w\_fcat-ref\_fieldname = 'vbeln'.  
\*  w\_fcat-ref\_tabname = 'vbap'.  
\*  APPEND w\_fcat TO t\_fact.  
\*  CLEAR w\_fcat.  
\*  
\*  w\_fcat-col\_pos = '2'.  
\*  w\_fcat-fieldname = 'posnr'.  
\*  w\_fcat-tabname = 'it\_vbap'.  
\*  w\_fcat-ref\_fieldname = 'posnr'.  
\*  w\_fcat-ref\_tabname = 'vbap'.  
\*  APPEND w\_fcat TO t\_fact.  
\*  CLEAR w\_fcat.  
\*  
\*  w\_fcat-col\_pos = '3'.  
\*  w\_fcat-fieldname = 'matnr'.  
\*  w\_fcat-tabname = 'it\_vbap'.  
\*  w\_fcat-ref\_fieldname = 'matnr'.  
\*  w\_fcat-ref\_tabname = 'vbap'.  
\*  APPEND w\_fcat TO t\_fact.  
\*  CLEAR w\_fcat.  
  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  select vbeln erdat erzet  
    into CORRESPONDING FIELDS OF table it\_vbak  
    from vbak  
     where vbeln in s\_vbeln.  
  
  select VBELN  
   POSNR  
  MATNR into table it\_vbap  
      from vbap  
    where vbeln in s\_vbeln.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form hierarchydisplay  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM hierarchydisplay .  
  it\_key-header01 =  'VBELN'.  
layout-expand\_fieldname = 'UST'.  
  CALL FUNCTION 'REUSE\_ALV\_HIERSEQ\_LIST\_DISPLAY'  
    EXPORTING  
\*     I\_INTERFACE\_CHECK              = ' '  
     I\_CALLBACK\_PROGRAM             = SY-REPID  
\*     I\_CALLBACK\_PF\_STATUS\_SET       = ' '  
\*     I\_CALLBACK\_USER\_COMMAND        = ' '  
     IS\_LAYOUT                      = layout  
     IT\_FIELDCAT                    = t\_fact[]  
\*     IT\_EXCLUDING                   =  
\*     IT\_SPECIAL\_GROUPS              =  
\*     IT\_SORT                        =  
\*     IT\_FILTER                      =  
\*     IS\_SEL\_HIDE                    =  
\*     I\_SCREEN\_START\_COLUMN          = 0  
\*     I\_SCREEN\_START\_LINE            = 0  
\*     I\_SCREEN\_END\_COLUMN            = 0  
\*     I\_SCREEN\_END\_LINE              = 0  
\*     I\_DEFAULT                      = 'X'  
\*     I\_SAVE                         = ' '  
\*     IS\_VARIANT                     =  
\*     IT\_EVENTS                      =  
\*     IT\_EVENT\_EXIT                  =  
      i\_tabname\_header               = 'it\_vbak'  
      i\_tabname\_item                 = 'it\_vbap'  
\*     I\_STRUCTURE\_NAME\_HEADER        =  
\*     I\_STRUCTURE\_NAME\_ITEM          =  
      is\_keyinfo                     = it\_key  
\*     IS\_PRINT                       =  
\*     IS\_REPREP\_ID                   =  
\*     IS\_HIERSEQ\_SETTINGS            =  
\*     I\_BYPASSING\_BUFFER             =  
\*     I\_BUFFER\_ACTIVE                =  
\*     IR\_SALV\_HIERSEQ\_ADAPTER        =  
\*     IT\_EXCEPT\_QINFO                =  
\*     I\_SUPPRESS\_EMPTY\_DATA          = ABAP\_FALSE  
\*     I\_LIST\_DISPLAY\_ONLY            = ABAP\_FALSE  
\*     O\_COMMON\_HUB                   =  
\*   IMPORTING  
\*     E\_EXIT\_CAUSED\_BY\_CALLER        =  
\*     ES\_EXIT\_CAUSED\_BY\_USER         =  
    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.  
  ""write  'No records found'.  
  
ENDFORM.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_FIELDCAT\_MERGE\_EKKO  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_FIELDCAT\_MERGE\_EKKO NO STANDARD PAGE HEADING LINE-COUNT 20(5)  
LINE-SIZE 500 MESSAGE-ID Z420\_MSG.  
INCLUDE Z420\_GRID.  
SELECT-OPTIONS S\_EBELN FOR LV\_EBELN.  
INITIALIZATION.  
CLEAR : LT\_TAB,LT\_FIELDCAT,WA\_FIELDCAT.  
S\_EBELN-LOW = '1'.  
S\_EBELN-HIGH = '100'.  
APPEND S\_EBELN.  
AT SELECTION-SCREEN ON S\_EBELN.  
  SELECT SINGLE EBELN INTO LV\_EBELN  
     FROM EKKO  
    WHERE EBELN IN S\_EBELN.  
  
IF SY-SUBRC EQ 0.  
  MESSAGE I000.  
  ELSE.  
    MESSAGE E001.  
    ENDIF.  
START-OF-SELECTION.  
PERFORM GET\_ALV\_DATA.  
PERFORM GET\_DATA.  
  
END-OF-SELECTION.  
PERFORM DISP\_DATA.  
  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_ALV\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_alv\_data .  
  CALL FUNCTION 'REUSE\_ALV\_FIELDCATALOG\_MERGE'  
   EXPORTING  
     I\_PROGRAM\_NAME               = SY-REPID  
     I\_INTERNAL\_TABNAME           = 'LT\_TAB'  
     I\_STRUCTURE\_NAME             = 'EKKO'  
\*     I\_CLIENT\_NEVER\_DISPLAY       = 'X'  
\*     I\_INCLNAME                   =  
\*     I\_BYPASSING\_BUFFER           =  
\*     I\_BUFFER\_ACTIVE              =  
    CHANGING  
      ct\_fieldcat                  = LT\_FIELDCAT  
\*   EXCEPTIONS  
\*     INCONSISTENT\_INTERFACE       = 1  
\*     PROGRAM\_ERROR                = 2  
\*     OTHERS                       = 3  
            .  
  IF sy-subrc <> 0.  
\* Implement suitable error handling here  
  ENDIF.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  SELECT \* INTO TABLE LT\_TAB  
    FROM EKKO WHERE EBELN IN S\_EBELN.  
    IF SY-SUBRC EQ 0.  
  MESSAGE I000.  
  ELSE.  
    MESSAGE E001.  
    ENDIF.  
  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form DISP\_DATA  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_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                       = 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.

\*&---------------------------------------------------------------------\*  
\*& Report ZTRUPEN\_UST\_ALV\_GRID\_DISPLAY  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
report ztrupen\_ust\_alv\_list\_display no standard page heading line-count 20(3)  
line-size 500 message-id ztrupen\_ust\_msg.  
  
INCLUDE Z420\_ALV\_LOGO\_TOP.  
\*include ztrupen\_ust\_alv\_logo\_top.  
  
select-options s\_matnr for lv\_matnr obligatory.  
  
initialization.  
  clear: lt\_Tab, wa\_fieldcat, lt\_fieldcat.  
  s\_matnr-low  = '1'.  
  s\_matnr-high  = '100'.  
  append s\_matnr.  
  
at selection-screen on s\_matnr.   " 1 to 100  
  
  select single matnr  
    into lv\_matnr  
     from mara  
     where matnr in s\_matnr.  
  
  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 disp\_mat\_alvout.  
  
form get\_mat\_data.  
  select matnr mbrsh mtart meins brgew ntgew  
      into table lt\_Tab  
      from mara  
      where matnr in  s\_matnr.  
  
  if sy-subrc eq 0.  
    message s000.  
  else.  
    message e001.  
  endif.  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form GET\_ALV\_FCAT  
\*&---------------------------------------------------------------------\*  
form get\_alv\_fcat .  
\*\*\*\*\*  MATNR  
\*\*\*\*\*\*\*\*\*\*\*\*  LV\_COUNT = LV\_COUNT + 1.  
  wa\_fieldcat-col\_pos =  '1'.  
  wa\_fieldcat-seltext\_l = text-001. "   'MAT NUMBER'.  
  wa\_fieldcat-fieldname = cs\_matnr. "  'MATNR'.  
  wa\_fieldcat-tabname  = cs\_tab .  "   'LT\_TAB'.  
\*  WA\_FIELDCAT-emphasize = 'C101'.  
  wa\_fieldcat-no\_zero = 'X'.     """" to print without zeros  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MBRSH  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = text-002 ."  'MAT IND SECTOR'.  
  wa\_fieldcat-fieldname = cs\_mbrsh . "  'MBRSH'.  
  wa\_fieldcat-tabname  = cs\_tab .  " 'LT\_TAB'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MTART  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = text-003 . "'MAT TYPE'.  
  wa\_fieldcat-fieldname = 'MTART'.  
  wa\_fieldcat-tabname  = cs\_tab."   'LT\_TAB'.  
 WA\_FIELDCAT-emphasize = 'C200'.    """" for colors in this particular field  
  
  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  
\*\*\*\*\*  MEINS  
  wa\_fieldcat-col\_pos = '4'.  
  wa\_fieldcat-seltext\_l = text-004 ."'MAT BASE UOM'.  
  wa\_fieldcat-fieldname = 'MEINS'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
WA\_FIELDCAT-emphasize = 'C611'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  
\*\*\*\*\*  BRGEW  
  wa\_fieldcat-col\_pos = '5'.  
  wa\_fieldcat-seltext\_l = text-005. "'MAT GROSS WEIGHT'.  
  wa\_fieldcat-fieldname = 'BRGEW'.  
  wa\_fieldcat-tabname  = cs\_tab . "  'LT\_TAB'.  
WA\_FIELDCAT-emphasize = 'C711'.  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  NTGEW  
  wa\_fieldcat-col\_pos = '6'.  
  wa\_fieldcat-seltext\_s = text-006 ."  'MAT NET WEIGHT'.  
  
  wa\_fieldcat-fieldname = 'NTGEW'.  
  wa\_fieldcat-tabname  = cs\_tab ."   'LT\_TAB'.  
 WA\_FIELDCAT-emphasize = 'C411'.  
  wa\_fieldcat-do\_sum = 'X'.  
  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form DISP\_MAT\_ALVOUT  
\*&---------------------------------------------------------------------\*  
\*& text  
form disp\_mat\_alvout .  
  data lv\_title type lvc\_title value ' MAT MASTER INFO'.  
\*\*\*\*  TY\_LAYOUT-zebra = 'X'.  
\*\*  ty\_layout-no\_colhead = 'X'.  
\*\*  ty\_layout-no\_vline = 'X' .  
\*\*  ty\_layout-no\_hline = 'X'.  
  
  if sy-subrc eq 0.  
  
    call function 'REUSE\_ALV\_GRID\_DISPLAY'  
      exporting  
        i\_callback\_program     = sy-repid  
\*       I\_CALLBACK\_PF\_STATUS\_SET          = ' '  
\*       I\_CALLBACK\_USER\_COMMAND           = ' '  
        i\_callback\_top\_of\_page = 'UST\_LOGO'   " FORM NAME  
        i\_grid\_title           = lv\_title " 'Material Master info'  
\*       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.  
  
  endif.  
endform.  
  
  
  
form ust\_logo.   " SUBROUTINES  
  data : lt\_header type slis\_t\_listheader,  
         wa\_header type slis\_listheader.  
  
\*  wa\_header-typ = 'H'.  
  wa\_header-typ = 'S'.  
\*  wa\_header-typ = 'A'.  
  
  wa\_header-info = 'UST GLOBAL'.  
  wa\_header-key = 'HYDERABAD'.  
  append wa\_header to lt\_header.  
\*\*\*\*\*\*\*  
  wa\_header-typ = 'S'.  
  wa\_header-info = sy-datum.  
  wa\_header-key = sy-uzeit.  
  append wa\_header to lt\_header.  
  
  
  call function 'REUSE\_ALV\_COMMENTARY\_WRITE'  
    exporting  
      it\_list\_commentary = lt\_header  
      i\_logo             = 'ZTRUPEN\_UST\_LOGO'   " OAER OBJECT KEY NAME  
\*     I\_END\_OF\_LIST\_GRID =  
\*     I\_ALV\_FORM         =  
    .  
endform.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_GRID\_DIS\_LOGO\_PRACT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_GRID\_DIS\_LOGO\_PRACT no STANDARD PAGE HEADING LINE-COUNT 20(5) LINE-SIZE 500 MESSAGE-ID Z420\_MSG.  
include z420\_ekko\_grid\_alv\_top.  
select-OPTIONS s\_ebeln for lv\_ebeln OBLIGATORY.  
INITIALIZATION.  
clear : wa\_fieldcat,lt\_tab,lt\_fieldcat.  
s\_ebeln-low = '4500000001'.  
s\_ebeln-high = '4500000009'.  
append s\_ebeln.  
  
at SELECTION-SCREEN on s\_ebeln.  
  select single ebeln  
    into lv\_ebeln  
    from ekko  
    where ebeln in s\_ebeln.  
  
    if sy-subrc eq 0.  
      MESSAGE s000.  
      else.  
        MESSAGE e001.  
     ENDIF.  
  
start-of-selection.  
  
  perform get\_alv\_data.  
  perform get\_data.  
  
end-of-selection.  
  perform disp\_mat\_alvout.  
  
 FORM get\_data .  
  select EBELN BUKRS BSTYP  
    into table lt\_tab  
    from ekko  
    where ebeln in s\_ebeln.  
if sy-subrc eq 0.  
  message i000.  
  else.  
    message e001.  
    ENDIF.  
  
ENDFORM.  
  
  
  
  
  
FORM get\_alv\_data .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = text-001.  
  wa\_fieldcat-fieldname = cs\_ebeln.  
  wa\_fieldcat-tabname = cs\_tab.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = text-002.  
  wa\_fieldcat-fieldname = cs\_BUKRS.  
  wa\_fieldcat-tabname = cs\_tab.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = text-003.  
  wa\_fieldcat-fieldname = cs\_BSTYP.  
  wa\_fieldcat-tabname = cs\_tab.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
ENDFORM.  
  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_mat\_alvout  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_mat\_alvout .  
  data lv\_title type lvc\_title value ' Grid layput for EKKO data bse'.  
  if sy-subrc eq 0.  
  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'  
\*     I\_CALLBACK\_HTML\_TOP\_OF\_PAGE       = ' '  
\*     I\_CALLBACK\_HTML\_END\_OF\_LIST       = ' '  
\*     I\_STRUCTURE\_NAME                  =  
\*     I\_BACKGROUND\_ID                   = ' '  
     I\_GRID\_TITLE                      = lv\_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.  
 ENDIF.  
ENDFORM.  
  
form UST\_LOGO.  
 DATA: WA\_HEADER TYPE SLIS\_LISTHEADER,  
  LT\_HEADER TYPE SLIS\_T\_LISTHEADER.  
  
  wa\_header-typ = 'S'.  
  wa\_header-info = 'Asalam Alaikum'.  
  wa\_header-key = 'Welcome'.  
  append wa\_header to lt\_header.  
  wa\_header-typ = 'S'.  
  wa\_header-info = 'Alhamdulillah'.  
  wa\_header-key = 'Sabr'.  
  append wa\_header to lt\_header.  
  
  CALL FUNCTION 'REUSE\_ALV\_COMMENTARY\_WRITE'  
    EXPORTING  
      it\_list\_commentary       = LT\_HEADER  
     I\_LOGO                   = 'Z420\_LOGO'  
\*     I\_END\_OF\_LIST\_GRID       =  
\*     I\_ALV\_FORM               =  
            .  
  
  ENDFORM.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_GRID\_MARA\_PRAC\_AGAIN  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_GRID\_MARA\_PRAC\_AGAIN NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z420\_message.  
include z420\_grid\_mara\_top.  
select-OPTIONS s\_matnr for lv\_matnr.  
INITIALIZATION.  
clear : it\_tab,wa\_fieldcat,it\_fieldcat.  
s\_matnr-low = '1'.  
s\_matnr-high = '100'.  
append s\_matnr.  
  
at SELECTION-SCREEN.  
  select SINGLE matnr  
    into lv\_matnr  
    from mara  
    where matnr in s\_matnr.  
  
    if sy-subrc eq 0.  
      message i000.  
    else.  
      MESSAGE e001.  
    ENDIF.  
 START-OF-SELECTION.  
   perform get\_alv\_fieldcat.  
   PERFORM get\_data.  
 end-of-SELECTION.  
    perform disp\_alv\_fieldcat.  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fieldcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_alv\_fieldcat .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'Material number'.  
  wa\_fieldcat-fieldname = 'matnr'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'ERSDA col'.  
  wa\_fieldcat-fieldname = 'ersda'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = 'ERnam col'.  
  wa\_fieldcat-fieldname = 'ernam'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '4'.  
  wa\_fieldcat-seltext\_l = 'laeda col'.  
  wa\_fieldcat-fieldname = 'laeda'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '5'.  
  wa\_fieldcat-seltext\_l = ' EANAM col'.  
  wa\_fieldcat-fieldname = 'eanam'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_data .  
  select matnr  
    ersda  
    ernam  
    laeda  
    aenam into table it\_tab  
    from mara  
    where matnr in s\_matnr.  
    if sy-subrc eq 0.  
      message i000.  
    else.  
      MESSAGE e001.  
    ENDIF.  
  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_alv\_fieldcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form disp\_alv\_fieldcat .  
  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                      = 'Tauheer international Pvt.ltd'  
\*     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\_tab  
   EXCEPTIONS  
     PROGRAM\_ERROR                     = 1  
     OTHERS                            = 2  
            .  
  if sy-subrc <> 0.  
\* Implement suitable error handling here  
  endif.  
  
  
endform.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_GRID\_MARA\_PRAC\_AGAIN  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_GRID\_POPUP\_PRACT\_AGAI NO STANDARD PAGE HEADING LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z420\_message.  
INCLUDE Z420\_POPUP\_PRACT.  
  
select-OPTIONS s\_matnr for lv\_matnr.  
INITIALIZATION.  
clear : it\_tab,wa\_fieldcat,it\_fieldcat.  
s\_matnr-low = '1'.  
s\_matnr-high = '100'.  
append s\_matnr.  
  
at SELECTION-SCREEN.  
  select SINGLE matnr  
    into lv\_matnr  
    from mara  
    where matnr in s\_matnr.  
  
    if sy-subrc eq 0.  
      message i000.  
    else.  
      MESSAGE e001.  
    ENDIF.  
 START-OF-SELECTION.  
   perform get\_alv\_fieldcat.  
   PERFORM get\_data.  
 end-of-SELECTION.  
    perform disp\_alv\_fieldcat.  
  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fieldcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_alv\_fieldcat .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'Material number'.  
  wa\_fieldcat-fieldname = 'matnr'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'ERSDA col'.  
  wa\_fieldcat-fieldname = 'ersda'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = 'ERnam col'.  
  wa\_fieldcat-fieldname = 'ernam'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '4'.  
  wa\_fieldcat-seltext\_l = 'laeda col'.  
  wa\_fieldcat-fieldname = 'laeda'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '5'.  
  wa\_fieldcat-seltext\_l = ' EANAM col'.  
  wa\_fieldcat-fieldname = 'eanam'.  
  wa\_fieldcat-tabname = 'it\_tab'.  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_data .  
  select matnr  
    ersda  
    ernam  
    laeda  
    aenam into table it\_tab  
    from mara  
    where matnr in s\_matnr.  
    if sy-subrc eq 0.  
      message i000.  
    else.  
      MESSAGE e001.  
    ENDIF.  
  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_alv\_fieldcat  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form disp\_alv\_fieldcat .  
  
  call function 'REUSE\_ALV\_POPUP\_TO\_SELECT'  
    exporting  
     I\_TITLE                       = 'Tauheer International Pvt.Ltd'  
\*     I\_SELECTION                   = 'X'  
\*     I\_ALLOW\_NO\_SELECTION          =  
     I\_ZEBRA                       = 'X'  
\*     I\_SCREEN\_START\_COLUMN         = 0  
\*     I\_SCREEN\_START\_LINE           = 0  
\*     I\_SCREEN\_END\_COLUMN           = 0  
\*     I\_SCREEN\_END\_LINE             = 0  
\*     I\_CHECKBOX\_FIELDNAME          =  
\*     I\_LINEMARK\_FIELDNAME          =  
\*     I\_SCROLL\_TO\_SEL\_LINE          = 'X'  
      i\_tabname                     = 'it\_tab'  
     I\_STRUCTURE\_NAME              = 'ty\_tab'  
     IT\_FIELDCAT                   = it\_fieldcat  
\*     IT\_EXCLUDING                  =  
     I\_CALLBACK\_PROGRAM            = sy-repid  
\*     I\_CALLBACK\_USER\_COMMAND       =  
\*     IS\_PRIVATE                    =  
\*   IMPORTING  
\*     ES\_SELFIELD                   =  
\*     E\_EXIT                        =  
    tables  
      t\_outtab                      = it\_tab  
\*   EXCEPTIONS  
\*     PROGRAM\_ERROR                 = 1  
\*     OTHERS                        = 2  
            .  
  if sy-subrc <> 0.  
\* Implement suitable error handling here  
  endif.  
  
  
  
endform.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_ALV\_LIST\_DISPLAY\_AGAIN  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_ALV\_LIST\_DISPLAY\_AGAIN  NO STANDARD PAGE HEADING  
LINE-COUNT 20(3) LINE-SIZE 500 MESSAGE-ID z420\_message.  
include z420\_alv\_list\_top.  
select-OPTIONS s\_matnr for lv\_matnr.  
INITIALIZATION.  
clear : it\_tab,it\_fieldcat,wa\_fieldcat.  
s\_matnr-low = '1'.  
s\_matnr-high = '100'.  
APPEND s\_matnr.  
at SELECTION-SCREEN.  
  select single matnr into lv\_matnr  
    from mara  
    where matnr in s\_matnr.  
    if sy-subrc eq 0.  
      MESSAGE i000.  
    else.  
      message e001.  
    ENDIF.  
START-OF-SELECTION.  
PERFORM get\_alv\_fact.  
perform get\_data.  
end-of-SELECTION.  
perform disp\_data.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_fact  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_alv\_fact .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'MAT NUMBER'.  
  wa\_fieldcat-fieldname = 'MATNR'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MBRSH  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'MAT IND SECTOR'.  
  wa\_fieldcat-fieldname = 'MBRSH'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
\*\*\*\*\*  MTART  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = 'MAT TYPE'.  
  wa\_fieldcat-fieldname = 'MTART'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  
\*\*\*\*\*  MEINS  
  wa\_fieldcat-col\_pos = '4'.  
  wa\_fieldcat-seltext\_l = 'MAT BASE UOM'.  
  wa\_fieldcat-fieldname = 'MEINS'.  
  wa\_fieldcat-tabname  = 'LT\_TAB'.  
  
  append wa\_fieldcat to it\_fieldcat.  
  clear wa\_fieldcat.  
  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form get\_data .  
  select matnr  
    mbrsh  
    mtart  
    meins into table it\_tab from mara  
    where matnr in s\_matnr.  
  
endform.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
form disp\_data .  
  call function 'REUSE\_ALV\_LIST\_DISPLAY'  
  EXPORTING  
\*     I\_INTERFACE\_CHECK              = ' '  
\*     I\_BYPASSING\_BUFFER             =  
\*     I\_BUFFER\_ACTIVE                = ' '  
     I\_CALLBACK\_PROGRAM             = 'Z420\_ALV\_LIST\_DISPLAY\_AGAIN'  
\*     I\_CALLBACK\_PF\_STATUS\_SET       = ' '  
\*     I\_CALLBACK\_USER\_COMMAND        = ' '  
\*     I\_STRUCTURE\_NAME               =  
\*   IS\_LAYOUT                      = it\_tab  
     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\_tab  
   EXCEPTIONS  
     PROGRAM\_ERROR                  = 1  
     OTHERS                         = 2  
            .  
  if sy-subrc <> 0.  
\* Implement suitable error handling here  
  endif.  
  
  
endform.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_AVL\_GRID\_EKKO\_PRACT1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_AVL\_GRID\_EKKO\_PRACT1 no STANDARD PAGE HEADING LINE-COUNT 20(5) LINE-SIZE 500 MESSAGE-ID Z420\_MSG.  
include z420\_ekko\_grid\_alv\_top.  
select-OPTIONS s\_ebeln for lv\_ebeln.  
INITIALIZATION.  
clear : wa\_fieldcat,lt\_tab,lt\_fieldcat.  
s\_ebeln-low = '4500000001'.  
s\_ebeln-high = '4500000009'.  
append s\_ebeln.  
  
at SELECTION-SCREEN on s\_ebeln.  
  select single ebeln  
    into lv\_ebeln  
    from ekko  
    where ebeln in s\_ebeln.  
  
    if sy-subrc eq 0.  
      MESSAGE s000.  
      else.  
        MESSAGE e001.  
     ENDIF.  
  
  START-OF-SELECTION.  
  perform get\_alv\_data.  
     perform get\_data.  
  
  
  end-of-SELECTION.  
     perform disp\_data\_alv\_out.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  select EBELN BUKRS BSTYP  
    into table lt\_tab  
    from ekko  
    where ebeln in s\_ebeln.  
if sy-subrc eq 0.  
  message i000.  
  else.  
    message e001.  
    ENDIF.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_alv\_data .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'Ebeln number'.  
  wa\_fieldcat-fieldname = 'EBELN'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'company code'.  
  wa\_fieldcat-fieldname = 'BUKRS'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = 'Doc catagery'.  
  wa\_fieldcat-fieldname = 'BSTYP'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_data\_alv\_out  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_data\_alv\_out .  
  
  
        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\_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.

\*&---------------------------------------------------------------------\*  
\*& Report Z420\_AVL\_LIST\_EKKO\_PRACT1  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
REPORT Z420\_AVL\_LIST\_EKKO\_PRACT1 no STANDARD PAGE HEADING LINE-COUNT 20(5) LINE-SIZE 500 MESSAGE-ID Z420\_MSG.  
include z420\_ekko\_alv\_top.  
select-OPTIONS s\_ebeln for lv\_ebeln.  
INITIALIZATION.  
clear : wa\_fieldcat,lt\_tab,lt\_fieldcat.  
s\_ebeln-low = '4500000001'.  
s\_ebeln-high = '4500000009'.  
append s\_ebeln.  
  
at SELECTION-SCREEN on s\_ebeln.  
  select single ebeln  
    into lv\_ebeln  
    from ekko  
    where ebeln in s\_ebeln.  
  
    if sy-subrc eq 0.  
      MESSAGE s000.  
      else.  
        MESSAGE e001.  
     ENDIF.  
  
  START-OF-SELECTION.  
  perform get\_alv\_data.  
     perform get\_data.  
  
  
  end-of-SELECTION.  
     perform disp\_data\_alv\_out.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_data .  
  select EBELN BUKRS BSTYP  
    into table lt\_tab  
    from ekko  
    where ebeln in s\_ebeln.  
if sy-subrc eq 0.  
  message i000.  
  else.  
    message e001.  
    ENDIF.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form get\_alv\_data  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM get\_alv\_data .  
  wa\_fieldcat-col\_pos = '1'.  
  wa\_fieldcat-seltext\_l = 'Ebeln number'.  
  wa\_fieldcat-fieldname = 'EBELN'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  append wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  
  wa\_fieldcat-col\_pos = '2'.  
  wa\_fieldcat-seltext\_l = 'company code'.  
  wa\_fieldcat-fieldname = 'BUKRS'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
  wa\_fieldcat-col\_pos = '3'.  
  wa\_fieldcat-seltext\_l = 'Doc catagery'.  
  wa\_fieldcat-fieldname = 'BSTYP'.  
  wa\_fieldcat-tabname = 'lt\_tab'.  
  
  APPEND wa\_fieldcat to lt\_fieldcat.  
  clear wa\_fieldcat.  
  
ENDFORM.  
\*&---------------------------------------------------------------------\*  
\*& Form disp\_data\_alv\_out  
\*&---------------------------------------------------------------------\*  
\*& text  
\*&---------------------------------------------------------------------\*  
\*& -->  p1        text  
\*& <--  p2        text  
\*&---------------------------------------------------------------------\*  
FORM disp\_data\_alv\_out .  
  
  
        CALL FUNCTION 'REUSE\_ALV\_LIST\_DISPLAY'  
        EXPORTING  
\*           I\_INTERFACE\_CHECK              = ' '  
\*           I\_BYPASSING\_BUFFER             =  
\*           I\_BUFFER\_ACTIVE                = ' '  
          I\_CALLBACK\_PROGRAM             = 'Z420\_AVL\_LIST\_EKKO\_PRACT1 '  
\*           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.