\*&---------------------------------------------------------------------\*  
\*& Report Z007\_ALV\_OOPS\_PROG  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
  
\*& Developer's Name: 280405 - Mhetre Vaishnavi,                        \*  
\*                    280384 - Talupuri Guru Charan ,                   \*  
\*                    280420 - Tauheer Ahamed Shaik .                   \*  
\*&                                                                     \*  
\*& Object Description: OALV interactive to                             \*  
\*& to fetch the order records.                                         \*  
\*&                                                                     \*  
\*& FS Object Id  : sd.                                                 \*  
\*&                                                                     \*  
\*&\*& Transport Request: S4HK905168.                                    \*  
\*&                                                                     \*  
\*& Object Creation Date: 10.05.2024                                    \*  
\*&                                                                     \*  
\*& Functional Moudle : SD.                                             \*  
\*&---------------------------------------------------------------------\*  
  
  
report z007\_alv\_oops\_prog no standard page heading line-count 30(3) message-id z007\_messages .  
  
\*&---------------------------------------------------------------------\*  
\*& Include          ZPUR\_PROD\_TOP  
\*&---------------------------------------------------------------------\*  
  
include zpur\_prod\_top.

\*&---------------------------------------------------------------------\*  
\*& Include          ZPUR\_PROD\_TOP  
\*&---------------------------------------------------------------------\*  
  
types : begin of ls\_tab1,             "first internal table declaration  
  
          matnr type z007\_matnr,        "material number  
          werks type z007\_werks,        "plant  
          lgort type z007\_lgort,        "storage location  
          ekorg type z007\_ekorg,        "purchase organization  
          bukrs type z007\_bukrs,        "compant code  
          ekgrp type z007\_ekgrp,        "purchase group  
          maktx type maktx,             "material description  
          ersda type ersda,             "created on  
          ernam type ernam,             "Name of Person Responsible for Creating the Object  
          laeda type laeda,             "Date of Last Change  
          aenam type aenam,             "CREATED BY  
          mtart type mtart,             "Material Type  
          matkl type matkl,             "Material Group  
          meins type meins,             "Base Unit of Measure  
          lifnr type lifnr,             "Account Number of Supplier  
  
        end of ls\_tab1,  
  
        begin of ls\_tab2,             "second internal table declaration  
  
          werks type z007\_werks,      "Plant  
          lifnr type z007\_lifnr,      "Account Number of Supplier  
          ekorg type z007\_ekorg,      "Purchasing Organization  
          ekgrp type z007\_ekgrp,      "Purchasing Group  
          bukrs type z007\_bukrs,      "Company Code  
          waers type waers,           "Currency Key  
          erdat type erdat,           "Record Created On  
          erzet type erzet,           "Entry time  
          name1 type name1,           "Name  
          name2 type name2,           "Name 2  
          stras type stras,           "Street and House Number  
          pstlz type pstlz,           "Postal Code  
          landx type landx,           "Name of Country/Region (Short)  
          email type ad\_smtpadr,      "E-Mail Address  
  
        end of ls\_tab2,               "end of e=second internal table  
  
  
  
        begin of ls\_tab3,             "begin of third internal table  
  
  
          ebeln type z007\_ebeln,      "Purchasing Order Number  
          ebelp type z007\_ebelp,      "Item Number of Purchasing Document  
          ekorg type z007\_ekorg,      "Purchasing Organization  
          ekgrp type z007\_ekgrp,      "Purchasing Group  
          bukrs type z007\_bukrs,      "Company Code  
          matnr type z007\_matnr,      "Material Number  
          lifnr type z007\_lifnr,      "Account Number of Supplier  
          aedat type aedat,           "Last Changed On  
          ernam type ernam,           "Name of Person Responsible for Creating the Object  
          werks type z007\_werks,      "Plant  
          lgort type Z007\_lgort,      "Storage Location  
          menge type bstmg,           "Purchase Order Quantity  
          meins type meins,           "Base Unit of Measure  
          netpr type netpr,           "Net Price  
          waers type waers,           "Currency Key  
          lfimg type lfimg,           "Actual quantity delivered (in sales units)  
          lfdat type lfdat,           "Delivery date  
  
        end of ls\_tab3.               "end of third internal table  
  
  
  
data : it\_tab1        type standard table of ls\_tab1, "LOCAL INTERNAL TABLE FOR TAB1  
       wa\_tab1        type ls\_tab1,                   "WORK AREA FOR TAB1  
       it\_tab2        type standard table of ls\_tab2,  "LOCAL INTERNAL TABLE FOR TAB2  
       wa\_tab2        type ls\_tab2,                    "WORK AREA FOR TAB2  
       it\_tab3        type standard table of ls\_tab3,  "LOCAL INTERNAL TABLE FOR TAB3  
       wa\_tab3        type ls\_tab3,                    "WORK AREA FOR TAB3  
       it\_tab         type zgs\_prod\_lt,   "GLOBAL STRUCTURE TABLE TYPE  
       wa\_tab         like zgs\_prod,      "LINE TYPE  
  
  
       wa\_fcat        type lvc\_s\_fcat,   "ALV control: Field catalog  
       lt\_fcat        type lvc\_t\_fcat,   "Field Catalog for List Viewer Control  
  
       i\_container    type ref to cl\_gui\_custom\_container, "global class CL\_GUI\_CUSTOM\_CONTAINER  
       i\_alvgrid      type ref to cl\_gui\_alv\_grid, "global CL\_GUI\_ALV\_GRID  
       s\_layout       type lvc\_s\_layo, "ALV control: Layout structure  
  
       lv\_lifnr       type lifnr, "account number of supplier  
       lv\_lfdat       type lfdat, "deliverydate  
  
       lv\_bukrs       type z007\_bukrs, "company code  
       lv\_werks       type z007\_werks, "palnt  
       lv\_ekorg       type z007\_ekorg, "purchasing-organization  
       lv\_ekgrp       type z007\_ekgrp, "purchasing-group  
       s\_lfdat1       type lfdat, "delivery-low  
       s\_lfdat2       type lfdat, "delivery-high  
  
\*\*\*\*\*\*\*\*\*\*declarations for the email part\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
       lv\_string      type string, "stringdatatype  
       lv\_data\_string type string, "string datatype  
       lv\_xstring     type xstring, "predefineddatatype  
       lt\_bin         type solix\_tab, "GBT: SOLIX as Table Type for the email part  
       lt\_body        type soli\_tab, "Objcont and Objhead as Table Type  
       ls\_body        type soli. "SAPoffice: line, length 255

\*&---------------------------------------------------------------------\*  
\*& Include     selection screen design  
\*&---------------------------------------------------------------------\*

\*&---------------------------------------------------------------------\*  
\*& Include          ZSCREEN\_SELECTIONS  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&         ZSELECT\_OPTIONS  
\*&---------------------------------------------------------------------\*  
  
  
\*&---------------------------------------------------------------------\*  
\*& \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Input screen design\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
\*&---------------------------------------------------------------------\*  
  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-A1 FOR LIFNR\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block a1 with frame title text-001.  
  parameters : p\_lifnr type lifnr obligatory.  
  
selection-screen end of block a1.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-A2 FOR LFDAT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block a2 with frame title text-002.  
  select-options : s\_lfdat for lv\_lfdat obligatory.  
selection-screen end of block a2.  
  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-B1 FOR BUKRS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block b1 with frame title text-003.  
  select-options :s\_burks for lv\_bukrs .  
  
selection-screen end of block b1.  
  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-A2 FOR WERKS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block b2 with frame title text-004.  
  select-options : s\_werks for lv\_werks.  
  
selection-screen end of block b2.  
  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-B3 FOR EKORG\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block b3 with frame title text-005.  
  select-options : s\_ekorg for lv\_ekorg.  
  
selection-screen end of block b3.  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BLOCK-B4 FOR EKGRP\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
selection-screen begin of block b4 with frame title text-006.  
  select-options :  s\_ekgrp for lv\_ekgrp.  
  
selection-screen end of block b4.

include zscreen\_selections.  
  
\*&---------------------------------------------------------------------\*  
\*& Include     screen validations  
\*&---------------------------------------------------------------------\*

\*&---------------------------------------------------------------------\*  
\*& Include          ZSCREEN\_VALIDATIONS  
\*&---------------------------------------------------------------------\*  
  
  
INITIALIZATION.  
  
LV\_LIFNR = '0000000001'.  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& \*&---------------------------------------------------------------------\*  
\*& screen validations  
\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
  
  
at selection-screen.  
  
at selection-screen on block a1 .  
  select single lifnr into lv\_lifnr from z007\_tab2 where  
  lifnr eq lv\_lifnr.  
  if sy-subrc eq 0.  
    message s003.  
  else.  
    message e000.  
  endif.  
  
  
at selection-screen on block a2 .  
  select single lfdat into lv\_LFDAT from z007\_tab3 where  
  lfdat in s\_lfdat.  
  if sy-subrc eq 0.  
    message s003.  
  else.  
    message e001.  
  endif.

\*&---------------------------------------------------------------------\*  
\*& Include     performs  
\*&---------------------------------------------------------------------\*  
include zperforms.

\*&---------------------------------------------------------------------\*  
\*& Include          ZPERFORMS  
\*&---------------------------------------------------------------------\*  
  
\*&---------------------------------------------------------------------\*  
\*& subroutines for main business logic  
\*&---------------------------------------------------------------------\*  
  
perform get\_data.   "subroutine for main business logic  
  
\*&---------------------------------------------------------------------\*  
\*& subroutine for the fields in the alv  
\*&---------------------------------------------------------------------\*  
  
perform :   ZALV\_fcat using text-007 TEXT-008,  "EBELN  
            ZALV\_fcat using TEXT-009 TEXT-010,  "EBELP  
            ZALV\_fcat using TEXT-011 TEXT-012,  "EKORG  
            ZALV\_fcat using TEXT-013 TEXT-014,  "EKGRP  
            ZALV\_fcat using TEXT-015 TEXT-016,  "BUKRS  
            ZALV\_fcat using TEXT-017 TEXT-018,  "MATNR  
            ZALV\_fcat using TEXT-019 TEXT-020,  "AEDAT  
            ZALV\_fcat using TEXT-021 TEXT-022,  "AENAM  
            ZALV\_fcat using TEXT-023 TEXT-024,  "LIFNR  
            ZALV\_fcat using TEXT-025 TEXT-026,  "WERKS  
            ZALV\_fcat using TEXT-027 TEXT-028,  "LGORT  
            ZALV\_fcat using TEXT-029 TEXT-030,  "MENGE  
            ZALV\_fcat using TEXT-031 TEXT-032,  "MEINS  
            ZALV\_fcat using TEXT-033 TEXT-034,  "NETPR  
            ZALV\_fcat using TEXT-035 TEXT-036,  "WAERS  
            ZALV\_fcat using TEXT-037 TEXT-038,  "LFIMG  
            ZALV\_fcat using TEXT-039 TEXT-040,  "LFDAT  
            ZALV\_fcat using TEXT-041 TEXT-042.  "MAKTX  
  
call screen 777.    "calling the screen  
  
  
\*&---------------------------------------------------------------------\*  
\*& subroutine-form of the fields  
\*&---------------------------------------------------------------------\*  
  
form ZALV\_fcat  using  P\_TEXT TYPE any P\_field type any .  
  
  STATICS index TYPE i VALUE 1.  "declared  
  
  wa\_fcat-col\_pos = index.    "Column Position  
  wa\_fcat-coltext = p\_text.   "Column Text  
  wa\_fcat-tabname = text-043. "table  
  wa\_fcat-fieldname = p\_field."Field name  
  APPEND wa\_fcat TO lt\_fcat.  "clearing it\_tab  
  CLEAR wa\_fcat.              "clear wa\_fcat  
  
  index = index + 1.           "interating the index  
  
endform.

\*&---------------------------------------------------------------------\*  
\*& Include for the  businesslogic  
\*&---------------------------------------------------------------------\*  
  
include zinclude\_get\_data.

\*----------------------------------------------------------------------\*  
\*\*\*INCLUDE ZINCLUDE\_GET\_DATA.  
\*----------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
  
  
\*&---------------------------------------------------------------------\*  
\*& start of selection  
\*&---------------------------------------------------------------------\*  
  
start-of-selection.  
  
form get\_data.  
  
  select ekorg    "Purchasing Organization  
    ekgrp         "Purchasing Group  
    bukrs         "Company Code  
    matnr         "material number  
    lifnr         "Account Number of Supplier  
    werks         "Plant  
    aenam         "Name of Person Who Changed Object  
    lgort         "Storage Location  
    meins         "Base Unit of Measure  
    maktx         "Material Description  
    from z007\_tab1    "table 1  
    into  corresponding fields of table it\_tab1  
    where lifnr eq p\_lifnr.  
  
  if not it\_tab1[] is initial.  
    select ekorg    "Purchasing Organization  
      ekgrp         "Purchasing Group  
       bukrs        "Company Code  
       lifnr        "Account Number of Supplier  
       werks        "Plant  
       waers        "Currency Key  
      from z007\_tab2  
      into corresponding fields of table it\_tab2  
      for all entries in it\_tab1  
      where lifnr eq it\_tab1-lifnr.  
  
    if not it\_tab2[] is initial.  
      select ebeln    "Purchase order number  
        ebelp         "purchase item number  
        ekorg         "Purchase organization  
        ekgrp         "purchase group  
        bukrs         "company code  
        matnr         "material number  
        aedat         "change date  
        lifnr         "supplier account number  
        werks         "plant  
        lgort         "storage-location  
        menge         "purchase order quantity  
        meins         "unit of measure  
        netpr         "currency-key  
        waers         "currencykey  
        lfimg         "delivered-qty  
        lfdat         "deliverydate  
        from z007\_tab3  
        into corresponding fields of table it\_tab3  
        for all entries in it\_tab2  
        where lifnr eq it\_tab2-lifnr.  
  
\*&---------------------------------------------------------------------\*  
\*& deleting the duplicates  
\*&---------------------------------------------------------------------\*  
  
      delete adjacent duplicates from it\_tab1 comparing lifnr.  
      sort it\_tab1 by lifnr.  
      sort it\_tab2 by lifnr.  
  
      loop at it\_tab3 into wa\_tab3.  
  
        read table it\_tab2 into wa\_tab2 with key lifnr = wa\_tab3-lifnr binary search.  
        read table it\_tab1 into wa\_tab1 with key lifnr = wa\_tab3-lifnr binary search.  
        if sy-subrc eq 0.  
\*&---------------------------------------------------------------------\*  
\*& moving the fields to the final structure  
\*&---------------------------------------------------------------------\*  
          move: wa\_tab3-ebeln to wa\_tab-ebeln,  
            wa\_tab3-ebelp to wa\_tab-ebelp,  
            wa\_tab1-ekorg to wa\_tab-ekorg,  
            wa\_tab1-ekgrp to wa\_tab-ekgrp,  
            wa\_tab1-bukrs to wa\_tab-bukrs,  
            wa\_tab3-matnr to wa\_tab-matnr,  
            wa\_tab3-aedat to wa\_tab-aedat,  
            wa\_tab1-aenam to wa\_tab-aenam,  
            wa\_tab1-lifnr to wa\_tab-lifnr,  
            wa\_tab1-werks to wa\_tab-werks,  
            wa\_tab1-lgort to wa\_tab-lgort,  
            wa\_tab3-menge to wa\_tab-menge,  
            wa\_tab1-meins to wa\_tab-meins,  
            wa\_tab3-netpr to wa\_tab-netpr,  
            wa\_tab2-waers to wa\_tab-waers,  
            wa\_tab3-lfimg to wa\_tab-lfimg,  
            wa\_tab3-lfdat to wa\_tab-lfdat,  
            wa\_tab1-maktx to wa\_tab-maktx.  
          append wa\_tab to it\_tab.  
  
  
        else.  
          continue.  
        endif.  
      endloop.  
    endif.  
  endif.  
endform.  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Include  for the designing the screen  
\*&---------------------------------------------------------------------\*  
  
include z007\_alv\_oops\_prog\_status\_0o01.

\*----------------------------------------------------------------------\*  
\*\*\*INCLUDE Z007\_ALV\_OOPS\_PROG\_STATUS\_0O01.  
\*----------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*& Module STATUS\_0777 OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
  
  
  
module status\_0777 output.  
  set pf-status space.  
\* SET TITLEBAR 'xxx'.  
endmodule.

\*&---------------------------------------------------------------------\*  
\*& Include for the oops alv layout  
\*&---------------------------------------------------------------------\*  
  
include z007\_alv\_oops\_prog\_ooalv\_moo01.

\*----------------------------------------------------------------------\*  
\*\*\*INCLUDE Z007\_ALV\_OOPS\_PROG\_OOALV\_MOO01.  
\*----------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*& Module OOALV\_MODULE1 OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
module ooalv\_module1 output.  
  
\*&---------------------------------------------------------------------\*  
\*& calling the alv report  
\*&---------------------------------------------------------------------\*  
  
  s\_layout-zebra = 'X'.    "zebra crossings  
  s\_layout-no\_toolbar = 'X'.  "no toolbars  
  s\_layout-grid\_title = 'MaterialDueOrders'.  "alv title  
  
  
\*&---------------------------------------------------------------------------------------------------------\*  
\*& Important checing in the object whether the delivered materials are equals to ordered materials  
\*&---------------------------------------------------------------------------------------------------------\*  
  
  if wa\_tab-menge gt wa\_tab-lfimg.   "IF ordered materials greter than delivered orders  
  
  
  
    create object i\_container    "ref to cl\_gui\_custom\_container  
      exporting  
        container\_name = 'CONT777'.  "container number  
  
    create object i\_alvgrid     "ref to cl\_gui\_alv\_grid  
      exporting  
        i\_parent = i\_container.  
  
    call method i\_alvgrid->set\_table\_for\_first\_display  "for displaying the table in the alv  
      exporting  
        i\_structure\_name = 'ZGS\_PROD\_LT'   "final struccture  
        i\_save           = 'X'  
        i\_default        = 'X'  
        is\_layout        = s\_layout         "layout  
      changing  
        it\_outtab        = it\_tab  
        it\_fieldcatalog  = lt\_fcat.  
  
  
\*&---------------------------------------------------------------------\*  
\*& If the vendor had delivered all the materials or not  
\*&---------------------------------------------------------------------\*  
  
  else.      "if ordered-materials are fully delivered  
    message text-067 type 'E'.  
  endif.  
  
endmodule.  
  
\*&---------------------------------------------------------------------\*  
\*& Include for interactive user-command  
\*&---------------------------------------------------------------------\*  
  
include z007\_alv\_oops\_prog\_inputi01.

\*----------------------------------------------------------------------\*  
\*\*\*INCLUDE Z007\_ALV\_OOPS\_PROG\_INPUTI01.  
\*----------------------------------------------------------------------\*  
  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0777  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
module user\_command\_0777 input.  
\*&---------------------------------------------------------------------\*  
\*& Process after the input  
\*&---------------------------------------------------------------------\*  
  data ok\_code type sy-ucomm. "ABAP SYTEMFIELD  
  
\*&---------------------------------------------------------------------\*  
\*& Sending an Email for the vendor to send the materials  
\*&---------------------------------------------------------------------\*  
  
  case  sy-ucomm.  
    when 'DUEEMAIL'.        "for the email triggering  
      include zemail\_form.

\*&---------------------------------------------------------------------\*  
\*& Include          ZEMAIL\_FORM  
\*&---------------------------------------------------------------------\*  
  
data lv\_qty type string.  
data lv\_num type string.  
data lv\_ord type string.  
  
\*&---------------------------------------------------------------------\*  
\*& printing the fields in the excel  
\*&---------------------------------------------------------------------\*  
  
loop at it\_tab assigning field-symbol(<ls\_tab>).  
  
  lv\_qty = <ls\_tab>-menge.  
  condense lv\_qty.  
  lv\_num = <ls\_tab>-netpr.  
  condense lv\_num.  
  lv\_ord = <ls\_tab>-lfimg.  
  condense lv\_ord.  
  
  concatenate <ls\_tab>-ebeln <ls\_tab>-ebelp <ls\_tab>-ekorg <ls\_tab>-ekgrp  
  <ls\_tab>-bukrs <ls\_tab>-matnr <ls\_tab>-aedat <ls\_tab>-aenam <ls\_tab>-lifnr <ls\_tab>-werks  
  <ls\_tab>-lgort lv\_qty <ls\_tab>-meins lv\_num  <ls\_tab>-waers  lv\_ord  
  <ls\_tab>-lfdat <ls\_tab>-maktx  
  into lv\_string separated by cl\_abap\_char\_utilities=>horizontal\_tab.  
  concatenate lv\_string lv\_data\_string into lv\_data\_string  
  separated by cl\_abap\_char\_utilities=>newline.  
endloop.  
  
\*&---------------------------------------------------------------------\*  
\*& layout in the excel fiel  
\*&---------------------------------------------------------------------\*  
  
concatenate  text-044 text-045 text-046 text-047 text-048  
             text-049 text-050 text-051 text-023  
             text-053 text-054 text-055 text-056 text-057  
             text-058 text-059 text-060  
into lv\_string separated by cl\_abap\_char\_utilities=>horizontal\_tab.  
concatenate lv\_string lv\_data\_string into lv\_data\_string  
separated by cl\_abap\_char\_utilities=>newline.  
  
\*&---------------------------------------------------------------------\*  
\*& function module to convert string to xstring  
\*&---------------------------------------------------------------------\*  
  
call function 'SCMS\_STRING\_TO\_XSTRING'  
  exporting  
    text   = lv\_data\_string  
  importing  
    buffer = lv\_xstring.  
  
  
\*&---------------------------------------------------------------------\*  
\*& function module to convert from xstring to binary  
\*&---------------------------------------------------------------------\*  
  
call function 'SCMS\_XSTRING\_TO\_BINARY'  
  exporting  
    buffer     = lv\_xstring  
  tables  
    binary\_tab = lt\_bin.  
  
\*&---------------------------------------------------------------------\*  
\*& Adding the lines to the email body  
\*&---------------------------------------------------------------------\*  
  
clear: lt\_body, ls\_body.  
  
ls\_body = text-064.  
append ls\_body-line to lt\_body.  
  
clear ls\_body.  
  
ls\_body = ' '.  
append ls\_body-line to lt\_body.  
  
clear ls\_body.  
  
ls\_body = text-065.  
append ls\_body-line to lt\_body.  
  
clear ls\_body.  
  
ls\_body = ' '.  
append ls\_body-line to lt\_body.  
  
clear ls\_body.  
  
ls\_body = text-066.  
append ls\_body-line to lt\_body.  
  
clear ls\_body.  
  
  
\*&---------------------------------------------------------------------\*  
\*& creation of excel document  
\*&---------------------------------------------------------------------\*  
  
call method cl\_document\_bcs=>create\_document  
  exporting  
    i\_type    = 'TXT'  
    i\_subject = 'DueMaterials'  
    i\_text    = lt\_body  
  receiving  
    result    = data(lo\_doc).  
  
\*&---------------------------------------------------------------------\*  
\*& Specifying the type of the file format  
\*&---------------------------------------------------------------------\*  
  
call method lo\_doc->add\_attachment  
  exporting  
    i\_attachment\_type    = 'XLS'  
    i\_attachment\_subject = 'EXCEL FILE'  
    i\_att\_content\_hex    = lt\_bin.  
call method cl\_bcs=>create\_persistent  
  receiving  
    result = data(lo\_send\_request).  
  
\*&---------------------------------------------------------------------\*  
\*& exporting the document  
\*&---------------------------------------------------------------------\*  
  
call method lo\_send\_request->set\_document  
  exporting  
    i\_document = lo\_doc.  
  
\*&---------------------------------------------------------------------\*  
\*& sending reciepients and sender address  
\*&---------------------------------------------------------------------\*  
  
call method cl\_cam\_address\_bcs=>create\_internet\_address  
  exporting  
    i\_address\_string = 'sap.test@uk.com'  
  receiving  
    result           = data(lo\_sender).  
  
call method cl\_cam\_address\_bcs=>create\_internet\_address  
  exporting  
    i\_address\_string = 'vendorusa@ust.com'  
  receiving  
    result           = data(lo\_recipient).  
  
call method lo\_send\_request->set\_sender  
  exporting  
    i\_sender = lo\_sender.  
  
\*&---------------------------------------------------------------------\*  
\*& receipients  
\*&---------------------------------------------------------------------\*  
call method lo\_send\_request->add\_recipient  
  exporting  
    i\_recipient = lo\_recipient  
    i\_express   = abap\_true.  
  
call method lo\_send\_request->send  
  receiving  
    result = data(lv\_status).  
.  
  
commit work.  
  
\*&---------------------------------------------------------------------\*  
\*& if  the email triggers  
\*&---------------------------------------------------------------------\*  
  
if sy-subrc eq 0.  
  message s002.  
endif.  
  
  
\*&---------------------------------------------------------------------\*  
\*& sy-ucomm for the adobe form  
\*&---------------------------------------------------------------------\*  
    when 'PRINT'.           "for the printing of the datepass  
  
      export P\_lifnr to memory id text-061.      "exporting lifnr to the adobeform as a input parameters  
  
      export s\_lfdat-low to memory id text-062.  "exporting lfdat-low to the adobeform as a input parameters  
  
      export s\_lfdat-high to memory id text-063.  "exporting lfdat-high to the adobeform as a input paramters  
  
      submit z007\_adobeform\_prog and return.      "returning them  
  
  
      call transaction 'ZSFP\_ADOBE'.

\*&---------------------------------------------------------------------\*  
\*& Report Z007\_ADOBEFORM\_PROG  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
  
\*& Developer's Name: 280405 - Mhetre Vaishnavi,                        \*  
\*                    280384 - Talupuri Guru Charan ,                   \*  
\*                    280420 - Tauheer Ahamed Shaik .                   \*  
\*&                                                                     \*  
\*& Object Description: ADOBE FORM FOR GATE PASS                        \*  
\*&                                                                     \*  
\*&                                                                     \*  
\*& FS Object Id  : sd.                                                 \*  
\*&                                                                     \*  
\*&\*& Transport Request: S4HK905168.                                    \*  
\*&                                                                     \*  
\*& Object Creation Date: 10.05.2024                                    \*  
\*&                                                                     \*  
\*& Functional Moudle : SD.                                             \*  
\*&---------------------------------------------------------------------\*  
  
report z007\_adobeform\_prog NO STANDARD PAGE HEADING LINE-COUNT 30(3) MESSAGE-ID Z007\_Messages .  
  
\*&---------------------------------------------------------------------\*  
\*& Include          ZPUR\_PROD\_TOP  
\*&---------------------------------------------------------------------\*  
  
include z007\_adobeform\_top.

\*&---------------------------------------------------------------------\*  
\*& Include          Z007\_ADOBEFORM\_TOP  
\*&---------------------------------------------------------------------\*  
  
  
  
  
data :gv\_func\_name    type funcname,              "Function name  
      gs\_output\_param type sfpoutputparams,       "Form Processing Output Parameter  
      gs\_docparams    type sfpdocparams,          "Form Parameters for Form Processing  
      gt\_final        type z007\_tt\_cusaddr.       "structure for customer address  
  
  
\*-------------------------------------------------\*  
\*  Main Business logic  
\*-------------------------------------------------\*  
include z007\_get\_data.

\*&---------------------------------------------------------------------\*  
\*& Include          Z007\_GET\_DATA  
\*&---------------------------------------------------------------------\*  
  
  
data : p\_lifnr  type lifnr,                   "Account Number of Supplier  
       lv\_lfdat-low type lfdat,                   "Delivery date  
        lv\_lfdat-high type lfdat.  
"select-options s\_lfdat for lv\_lfdat.          "selection screen date and Account number of suppiler  
                                               "inputs from alv report  
data : s\_lfdat type lfdat.  
import p\_lifnr from memory id 'Z007\_MID01'.  
import s\_lfdat-low from memory id 'Z007\_mid02'.  
import s\_lfdat-high from memory id 'Z007\_mid03'.  
  
  
start-of-selection.  
  "vendor details according to the account number of suppiler  
  select lifnr ,      "Account Number of Supplier  
         ekorg,       "Purchasing Group  
         name1,       "name  
         name2,       "name 2  
         stras,       "street and house number  
         pstlz,       "Name of Country/Region (Short)  
         landx        "E-mail Address  
          from z007\_tab2 "vender table  
          into table @data(gt\_item1)  
    where lifnr eq @p\_lifnr.  
  
  "getting line items according to account number and vendor details  
  select  lifnr,  "account num  
    ebeln,        "Purchasing Order Number  
    ekorg,        "Purchasing Organization  
    lfdat,        "Delivery date  
    ebelp,        "Item Number of Purchasing Document  
    bukrs,        "Company Code  
    matnr,        "Material Number  
    werks,        "Plant  
    lgort,        "Storage Location  
    menge,        "Purchase Order Quantity  
    meins,        "Base Unit of Measure  
    netpr,        "Net Price  
    waers,        "Currency Key  
    lfimg         "Actual quantity delivered (in sales units)  
     from z007\_tab3  
     into table @data(gt\_item2)  
     for all entries in @gt\_item1  
     where lifnr = @gt\_item1-lifnr  and lfdat between @s\_lfdat-low and @s\_lfdat-high.  
  
  
  if sy-subrc is not initial.  
    clear : gt\_item1,gt\_item2.  
  endif.  
  
  
\*-------------------------------------------------\*  
\*  Display the - ADODE FORM  
  
\*-------------------------------------------------\*  
include z007\_display\_data.

\*&---------------------------------------------------------------------\*  
\*& Include          Z007\_DISPLAY\_DATA  
\*&---------------------------------------------------------------------\*  
  
  
 if gt\_item1 is not initial.                "if table 1 is empty  
   sort gt\_item1 by lifnr.                  "sort table 1 by lifnr  
   sort gt\_item2 by lifnr.                  "sort table 2 by lifnr  
   data(gv\_index) = value syst\_tabix( ).  
  
   loop at gt\_item1 assigning field-symbol(<lfs\_item1>).    "looping gt\_item1 ro field symbol  
     append initial line to gt\_final assigning field-symbol(<gfs\_final>).  
     move-corresponding <lfs\_item1> to <gfs\_final>.  
  
     read table gt\_item2 transporting no fields             "looping gt\_item2  
     with key lifnr = <lfs\_item1>-lifnr binary search.  
     if sy-subrc is initial.                                "if condition  
       gv\_index = sy-tabix.  
       loop at gt\_item2 assigning field-symbol(<lfs\_item2>) from gv\_index.  
         if <lfs\_item2>-menge lt <lfs\_item2>-lfimg.         "if condition  
           exit.  
         endif.  
         append initial line to <gfs\_final>-items assigning field-symbol(<lfs\_items>).  
         move-corresponding <lfs\_item2> to <lfs\_items>.  
       endloop.  
     endif.  
   endloop.  
 endif.  
  
 gs\_output\_param-device = 'PRINTER'  . "  'LOCL'. "to print output screen  
 gs\_output\_param-dest = 'LP01'.  
 gs\_output\_param-nodialog = 'X'.  
 gs\_output\_param-preview = 'X'.  
 gs\_docparams-langu = 'EN'.  
  
  
 call function 'FP\_JOB\_OPEN'                   "fp job open function  
   changing  
     ie\_outputparams = gs\_output\_param.  
 if sy-subrc <> 0.  
\* Implement suitable error handling here  
 endif.  
  
 call function 'FP\_FUNCTION\_MODULE\_NAME'        "FP\_FUNCTION\_MODULE\_NAME  
   exporting  
     i\_name     = 'Z007\_ADOBEFORM'              "adobe form name  
   importing  
     e\_funcname = gv\_func\_name.                 "function name  
  
  
  
 call function gv\_func\_name "'/1BCDWB/SM00001077'  
   exporting  
     /1bcdwb/docparams = gs\_docparams  
     lt\_tab            = gt\_final         "final output tab  
     i\_lfdat1          = s\_lfdat-low  
     i\_lfdat2          = s\_lfdat-high  
     l\_lifnr           = P\_lifnr.  
 if sy-subrc <> 0.  
\* Implement suitable error handling here  
 endif.  
  
  
 call function 'FP\_JOB\_CLOSE'.  
 if sy-subrc <> 0.  
\* Implement suitable error handling here  
 endif.  
  
\*&---------------------------------------------------------------------\*  
\*& For closing the application  
\*&---------------------------------------------------------------------\*  
    when 'EXITS'.  
  
      leave  to screen 0 .  
  
\*&---------------------------------------------------------------------\*  
\*& For calling the driver program of the cds view  
\*&---------------------------------------------------------------------\*  
  
    when 'CDS'.

\*&---------------------------------------------------------------------\*  
\*& Report z007\_cds\_driver\_program  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
\*& Developer's Name: Vaishnavi,Guru Charan ,Tauheer .                  \*  
\*&                                                                     \*  
\*& Object Description: driver program for cds view                     \*  
\*&                                                                     \*  
\*&                                                                     \*  
\*& FS Object Id  : sd.                                                 \*  
\*&                                                                     \*  
\*&\*& Transport Request: S4HK905168.                                    \*  
\*&                                                                     \*  
\*& Object Creation Date: 10.05.2024                                    \*  
\*&                                                                     \*  
\*& Functional Moudle : SD.                                             \*  
\*&---------------------------------------------------------------------\*  
  
report z007\_cds\_driver\_program NO STANDARD PAGE HEADING LINE-COUNT 30(3) MESSAGE-ID z007\_MESSAGES.  
  
  
\*&---------------------------------------------------------------------\*  
\*& Include          ZSALV\_IDA\_TOP  
\*&---------------------------------------------------------------------\*  
  
include zsalv\_ida\_top.  
  
\*&---------------------------------------------------------------------\*  
\*& Include          ZSALV\_IDA\_FIELDS  
\*&---------------------------------------------------------------------\*  
  
  
include zsalv\_ida\_feilds.  
  
  
\*&---------------------------------------------------------------------\*  
\*& Include          ZSALV\_IDA\_SORTS  
\*&---------------------------------------------------------------------\*  
  
  
include zsalv\_ida\_sorts.

\*&---------------------------------------------------------------------\*  
\*& Include          ZSALV\_IDA\_SORTS  
\*&---------------------------------------------------------------------\*  
  
" Disable sorting for specific fields  
o\_fcat->disable\_sort( iv\_field\_name = 'LIFNR' ).  
o\_fcat->disable\_filter( iv\_field\_name = 'MATNR' ).  
  
" Add custom button to the toolbar  
i\_salv->toolbar( )->add\_button(  
  exporting  
    iv\_fcode     = 'DETAIL'  
    iv\_text      = 'SupplierInfo'  
    iv\_quickinfo = 'DisplaySupplierInformation'  
).  
  
" Set display options  
i\_salv->display\_options( )->set\_title( iv\_title = 'SupplierOrderInfo' ).  
i\_salv->display\_options( )->enable\_alternating\_row\_pattern( ). " Zebra layout  
  
  
  
" Set default layout options  
i\_salv->default\_layout( )->set\_sort\_order(  
  value #( ( field\_name = 'LIFNR' descending = abap\_true ) )  
).  
  
" Display the ALV in fullscreen mode  
data(o\_ful\_scrn) = i\_salv->fullscreen( ).  
o\_ful\_scrn->display( ).  
  
end-of-selection.

      export P\_lifnr to memory id 'Z007\_MID04'.  
      submit z007\_cds\_driver\_program and return.  
      call transaction 'ZCDS\_007'.  
  
  endcase.  
  
endmodule.

\*\*\*\*\*\*\*\*\*\*\*cds view\*\*\*\*\*\*\*

**define** **view** Z007\_CDS3

**with** **parameters**

P\_LIFNR1**:** *lifnr*

**as** **select** **from** z007\_tab2 **as** SO\_J

**left** **outer** **join** z007\_tab3 **as** SO\_I

**on** SO\_J**.**lifnr **=** SO\_I**.**lifnr

**right** **outer** **join** z007\_tab1 **as** SO\_H

**on** SO\_H**.**lifnr **=** SO\_J**.**lifnr

**{**

**key** SO\_J**.**lifnr**,**

**key** SO\_I**.**ebeln **as** SO\_EBELN**,**

**key** SO\_I**.**ebelp **as** SO\_EBELP**,**

**max(**SO\_H**.**ekorg**)** **as** ekorg**,**

**max(**SO\_H**.**ekgrp**)** **as** ekgrp**,**

**max(**SO\_H**.**bukrs**)** **as** bukrs**,**

**max(**SO\_I**.**matnr**)** **as** matnr**,**

**max(**SO\_I**.**aedat**)** **as** aedat**,**

**max(**SO\_H**.**aenam**)** **as** aenam**,**

**max(**SO\_H**.**werks**)** **as** werks**,**

**max(**SO\_H**.**lgort**)** **as** lgort**,**

SO\_I**.**menge**,**

**max(**SO\_I**.**meins**)** **as** meins**,**

SO\_I**.**netpr**,**

**max(**SO\_I**.**waers**)** **as** waers**,**

SO\_I**.**lfimg**,**

**max(**SO\_I**.**lfdat**)** **as** lfdat**,**

**max(**SO\_H**.**maktx**)** **as** maktx

**}**

**where**

SO\_H**.**lifnr **=** **:**P\_LIFNR1

**and** SO\_I**.**menge **>** SO\_I**.**lfimg

**group** **by**

SO\_J**.**lifnr**,**

SO\_I**.**ebeln**,**

SO\_I**.**ebelp**,**SO\_I**.**menge**,**SO\_I**.**netpr**,**SO\_I**.**lfimg**;**