\*&---------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
\*& Developer's Name:   280407   : Srija Vanam  
\*\*                     280406   : Rajavardhan Reddy Kadapa             \*  
\*&                                                                     \*  
\*& Object Description: Create Sales Contract using BAPI  
\*&                                                                     \*  
\*&                                                                     \*  
\*&                                                                     \*  
\*&                                                                     \*  
\*&---------------------------------------------------------------------\*  
  
  
  
\*&---------------------------------------------------------------------\*  
REPORT ZG05\_OOALV\_INT MESSAGE-ID Z280407\_SRI\_MSG.  
  
\*&---------------------------------------------------------------------\*  
\*&    TOP INCLUDE FOR DECLARATIONS  
\*&---------------------------------------------------------------------\*  
INCLUDE ZSRIJA\_TEST1\_TOP.  
  
\*&---------------------------------------------------------------------\*  
\*&    INCLUDES FOR SELECTION SCREEN  
\*&---------------------------------------------------------------------\*  
INCLUDE ZALV\_SELECTION\_SCREEN.  
  
  
\*&---------------------------------------------------------------------\*  
\*&    INCLUDES FOR LINE ITEMS  
\*&---------------------------------------------------------------------\*  
INCLUDE ZALV\_ITEMS.  
  
  
\*&---------------------------------------------------------------------\*  
\*&    INCLUDE FOR SALES\_ORDER  
\*&---------------------------------------------------------------------\*  
INCLUDE ZALV\_HEADER.

\*&---------------------------------------------------------------------\*  
\*& Include          ZSRIJA\_INCLUDE\_TOP  
\*&---------------------------------------------------------------------\*  
  
  
**TOP INCLUDES FOR DECLARATIONS:**

\*&---------------------------------------------------------------------\*  
\*& Top include  declarations  
\*&---------------------------------------------------------------------\*  
  
  
  
data : i\_container  type ref to cl\_gui\_custom\_container,        "CL\_GUI\_CUSTOM\_CONTAINER for first alv  
       i\_grid       type ref to cl\_gui\_alv\_grid,                "CL\_GUI\_ALV\_GRID for first alv  
       i\_container2 type ref to cl\_gui\_custom\_container,        "cl\_gui\_custom\_container for second alv  
       i\_grid2      type ref to cl\_gui\_alv\_grid,                "CL\_GUI\_ALV\_GRID for first alv it\_tab2 type table of zg05\_item,                    " IT\_TAB2 FOR VBAP TABLE  
       wa\_tab2      type zg05\_item,                             "work area for line items  
       it\_tab5      type table of zg05\_header,                  "internal table for headers  
       wa\_tab5      type zg05\_header,                           "work area for headers  
       it\_tab2      type table of zg05\_item.                    "internal table for line items  
  
data : lv\_erdat type vbak-erdat,  
       lv\_vbeln type vbak-vbeln,  
       lv\_var   type vbeln\_va,  
       lv\_con\_no type zg05\_table1-contract\_num.

**SELECTION SCREENS:**

\*&---------------------------------------------------------------------\*  
\*& Include          ZALV\_SELECTION\_SCREEN  
\*&---------------------------------------------------------------------\*  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Selection screens with input screen-designs  
\*&---------------------------------------------------------------------\*  
  
  
selection-screen begin of block b1.  
  select-options p\_erdat for lv\_erdat. " select options for contract date  
selection-screen end of block b1.  
  
  
selection-screen begin of block b2.  
  select-options s\_con\_no for lv\_vbeln.  " Select option for Contract number  
selection-screen end of block b2.  
  
  
  
\*&---------------------------------------------------------------------\*  
\*& Input screen validations  
\*&---------------------------------------------------------------------\*  
  
at selection-screen on block b1.  
\*\*\*\*\*validate the user inputs at selection screen event  
  
  select single erdat from vbak into lv\_erdat  
    where erdat in p\_erdat.  
  
  if sy-subrc is not initial. " if the table is empty or sy-subrc = 4  
    message e000.  
  endif.  
  
  
 at selection-screen on block b2.  
\*\*\*\*\*\*\* validate the user inputs at selection screen event  
  select single contract\_num from zg05\_table1 into lv\_con\_no  
      where contract\_num in s\_con\_no.  
  
  if sy-subrc is not initial." if the table is empty or sy-subrc = 4  
    message e000.  
  endif.

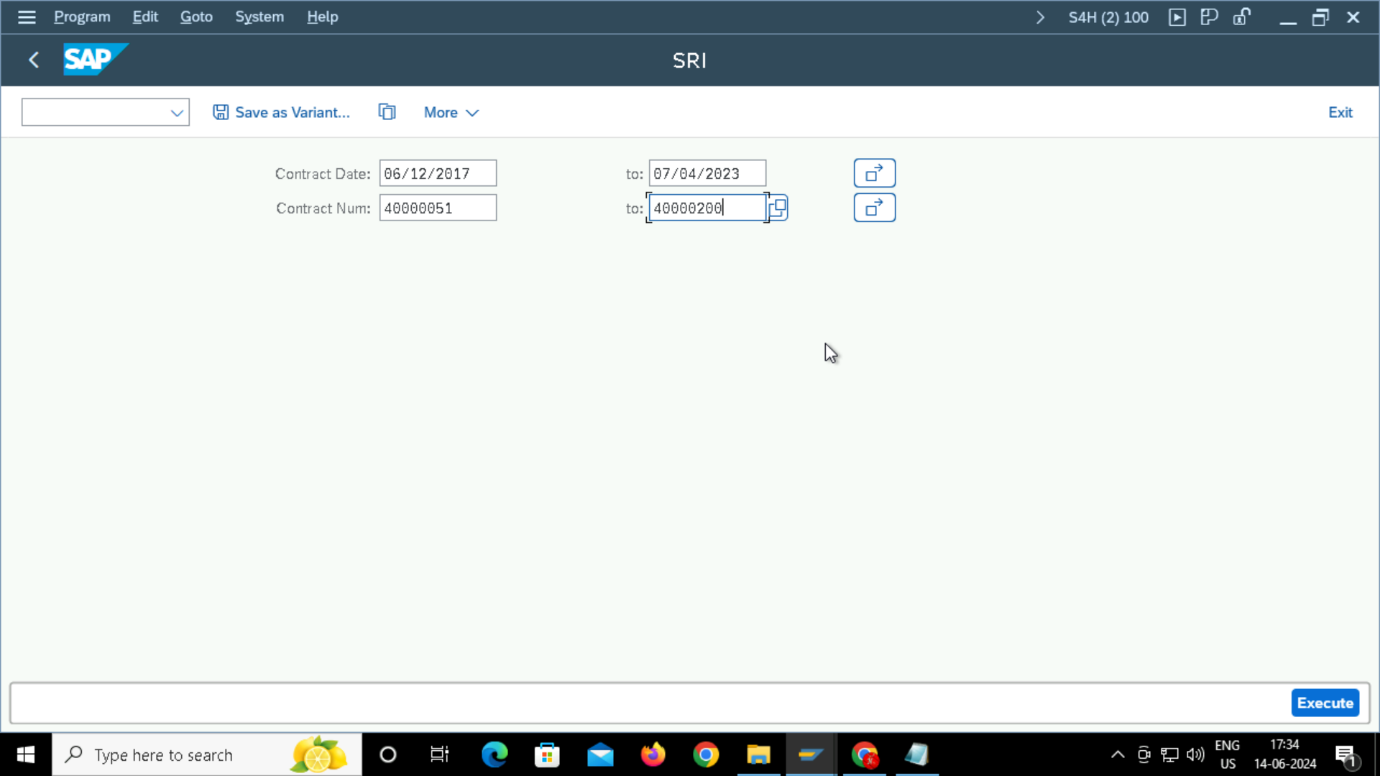
**INCLUDE FOR LINE ITEMS:**

\*&---------------------------------------------------------------------\*  
\*& Include          ZALV\_IMPLEMENTATION  
\*&---------------------------------------------------------------------\*  
  
  
  
\*&---------------------------------------------------------------------\*  
\*&  class defination for the double-click  
\*&---------------------------------------------------------------------\*  
  
class lcl\_alv\_inter definition.  
  public section.  
    methods : handle\_double\_click for event double\_click of cl\_gui\_alv\_grid  importing e\_row.  
  
endclass.  
  
  
\*&---------------------------------------------------------------------\*  
\*&   class implementation of double click  
\*&---------------------------------------------------------------------\*  
  
class lcl\_alv\_inter implementation.  
\*-------------------------------------------------------------------------------------------------\*  
  method handle\_double\_click.  
    " Implementation for handle\_double\_click method  
    read table it\_tab5 into wa\_tab5 index e\_row-index.  
    select  
       vbeln  
       matnr  
       posnr  
       arktx  
       kwmeng  
       netpr  
       vstel  
       into corresponding fields of table it\_tab2 from vbap  
                     where vbeln = wa\_tab5-vbeln.  
    loop at it\_tab2 into wa\_tab2.  
      lv\_var = wa\_tab2-vbeln.  
    endloop.  
    if it\_tab2 is initial.  
      message text-001 type 'I'.  
    else.  
      call screen 200.  
    endif.  
  endmethod.  
endclass.  
  
\*----------------------------------------------------------------------\*  
\*&---------------------------------------------------------------------\*  
\*& Module STATUS\_0200 OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
module status\_0200 output.  
  set pf-status  space.  
  "SET TITLEBAR 'xxx'.  
endmodule.  
  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0200  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
  
  
module user\_command\_0200 input.  
  case sy-ucomm.  
    when 'BACK'.  
      leave to screen 0.  
  endcase.  
  
\*&---------------------------------------------------------------------\*  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ABAP System Fields\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
\*----------------------------------------------------------------------\*  
  
  case sy-ucomm.  
    when 'FORM'.  
  
      export  lv\_var to memory id 'Z08'.  
  
      submit zg05\_adobe\_form\_prog and return.  
  
  endcase.  
endmodule.  
  
\*&---------------------------------------------------------------------\*  
\*& Module LINE\_ITEM OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
module line\_item output.  
  
  if  i\_container2 is initial.  
    create object i\_container2  
      exporting  
        container\_name = 'CNT2'.  
  
  endif.  
  create object i\_grid2  
    exporting  
      i\_parent = i\_container2.  
  
  
  data :  
        it\_fcat2 type lvc\_t\_fcat.  
  
  call method i\_grid2->set\_table\_for\_first\_display  
    exporting  
      i\_structure\_name = 'ZG05\_ITEM'  
    changing  
      it\_outtab        = it\_tab2  
      it\_fieldcatalog  = it\_fcat2.  
  
endmodule.

**INCLUDE FOR SALES ORDER:**

\*&---------------------------------------------------------------------\*  
\*& Include          ZALV\_SCREEN\_EVENTS  
\*&---------------------------------------------------------------------\*  
  
  
START-OF-SELECTION.  
  
CALL SCREEN 0100.  
  
\*&---------------------------------------------------------------------\*  
\*& Module STATUS\_0100 OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
MODULE status\_0100 OUTPUT.  
 SET PF-STATUS SPACE.  
  
ENDMODULE.  
\*&---------------------------------------------------------------------\*  
\*&      Module  USER\_COMMAND\_0100  INPUT  
\*&---------------------------------------------------------------------\*  
\*       text  
\*----------------------------------------------------------------------\*  
MODULE user\_command\_0100 INPUT.  
 CASE sy-ucomm.  
    WHEN 'BACK'.  
      LEAVE TO SCREEN 0.  
  ENDCASE.  
ENDMODULE.  
  
\*&---------------------------------------------------------------------\*  
\*& Module GET\_SALES\_ORDER OUTPUT  
\*&---------------------------------------------------------------------\*  
\*&  
\*&---------------------------------------------------------------------\*  
MODULE get\_sales\_order OUTPUT.  
SELECT  
       vbak~vbeln,  
       vbak~auart,  
       vbak~erdat,  
       vbak~ernam,  
       vbak~vkorg,  
       vbak~vtweg,  
       vbak~bstnk  
  INTO TABLE @it\_tab5  
  FROM vbak  
  INNER JOIN ZG05\_TABLE1 ON ZG05\_TABLE1~contract\_num = vbak~vbeln   .  
  "WHERE ZG05\_TABLE1~bstnk = vbak~bstnk.  
  
ENDMODULE.  
  
  
MODULE display\_alv1 OUTPUT.  
  
    CREATE OBJECT i\_container  
    EXPORTING  
      container\_name              = 'CNT1'  
      .  
  
  CREATE OBJECT i\_grid  
    EXPORTING  
      i\_parent          = i\_container  
      .  
  
DATA : it\_fcat TYPE lvc\_t\_fcat.  
  
" Populate field catalog  
CALL FUNCTION 'LVC\_FIELDCATALOG\_MERGE'  
  EXPORTING  
    i\_structure\_name = 'ZG05\_HEADER'  
  CHANGING  
    ct\_fieldcat      = it\_fcat  
  EXCEPTIONS  
    others           = 1.  
IF  sy-subrc <> 0.  
\*implemnet error code  
  
ENDIF.  
  
  
  
DATA i\_handler TYPE REF TO lcl\_alv\_inter.  
  
  CREATE OBJECT i\_handler.  
  
  SET HANDLER : i\_handler->handle\_double\_click FOR i\_grid.  
  
CALL METHOD i\_grid->set\_table\_for\_first\_display  
  CHANGING  
    it\_outtab                     = it\_tab5  
    it\_fieldcatalog               = it\_fcat  
        .  
  
ENDMODULE.

**SELECTION SCREEN INPUT:**



**OOALV INTERACTIVE OUTPUT:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**AFTER CLICKING ON THE “GENERATE FORM” WE ARE GOING TO GET THE ADOBE FORM FOR THE PARTICULAR CONTRACT NUMBER**

A close-up of a document

Description automatically generated