CREATION OF ALV REPORT FOR COMBINING TWO CUSTOM TABLES BY USING INNER JOIN

```
*&---------------------------------------------------------------------*
*& Report ZR_CLASSICAL_ALV
*&---------------------------------------------------------------------*
*&
*&---------------------------------------------------------------------*
REPORT ZR_CLASSICAL_ALV.

*&-----------------TABLES USED IN THE BELOW REPORT--------------------*
TABLES: ZTVBAK_PNC, ZTVBAP_PNC.


*&------------------------STRUCTURE DECLARATION----------------------*
DATA: ITAB TYPE TABLE OF ZSTRUCTURE_REPORT, "STRUCTURE HAS BEEN CREATED BY USING
DATA TYPE IN SE11.
      WA TYPE ZSTRUCTURE_REPORT.


*&-------SELECT OPTIONS FOR SALES DOCUMENT WITH SEARCH HELP------------*
SELECTION-SCREEN: BEGIN OF BLOCK PNC WITH FRAME. "FRAME FOR SELECTION SCREEN
SELECT-OPTIONS: S_VBELN FOR ZTVBAK_PNC-VBELN MATCHCODE OBJECT ZSH_REPORT.
"SEARCH HELP FOR SALES DOCUMENT.
SELECTION-SCREEN: END OF BLOCK PNC.

START-OF-SELECTION.


*&----------SUBROUTINE FOR GET_DATA AND DISPLAY_DATA------------------*
PERFORM GET_DATA.
PERFORM DISPLAY_DATA.
*&---------------------------------------------------------------------*
*&      Form  GET_DATA
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
*  -->  p1        text
*  <--  p2        text
*----------------------------------------------------------------------*


*&----------FORM TO FETCH DATA FROM THE CUSTOM TABLE------------------*
FORM GET_DATA .

SELECT A~VBELN
       A~ERDAT
```

```abap
        A~ERNAM
        A~AUDAT
        B~MATNR
        B~MATWA
        B~MATKL
  FROM ZTVBAK_PNC AS A
  INNER JOIN ZTVBAP_PNC AS B  "FETCH COMMON DATA FROM TWO TABLES BY USING PRIMARY KEY VBELN.
  ON B~VBELN = A~VBELN
  INTO TABLE ITAB
  WHERE A~VBELN IN S_VBELN.
ENDFORM.

*&-----------------FORM TO DISPLAY DATA FROM THE CUSTOM TABLE------------------*
FORM DISPLAY_DATA.

*&-----------------FUNCTION FOR ALV LIST DISPLAY-------------------------------*
CALL FUNCTION 'REUSE_ALV_LIST_DISPLAY'
EXPORTING
I_CALLBACK_PROGRAM        = 'SY-REPID'
I_STRUCTURE_NAME          = 'ZSTRUCTURE_REPORT'
* IMPORTING
*   E_EXIT_CAUSED_BY_CALLER     =
*   ES_EXIT_CAUSED_BY_USER      =
TABLES
  t_outtab               =  ITAB "INTERNAL TABLE
EXCEPTIONS
PROGRAM_ERROR            = 1
OTHERS                   = 2
      .
IF sy-subrc <> 0.
* Implement suitable error handling here
ENDIF.
ENDFORM.
END-OF-SELECTION.
```