

function modules for full screen display.

Advantage of ALV Object Model : It provides a collective interface to ALV tools.

container implementation, as well as the REUSE ALV GRID DISPLAY and REUSE ALV LIST DISPLAY

2) ALV object model is an encapsulation of the the pre-existing ALV tools.

3) For Example - CL SALV TABLE actually combines both the Ct GUI ALV GRID class for

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Event based Functionality in ALV OOPS

Disadvange of ALV Object Model : We can not go for editable ALV using ALV object model.

Steps to Create ALV by CL\_SALV\_TABLE

Step1 : Call the FACTORY Method of CL\_SALV\_TABLE to get the instance of ALV table object. Step2 : Call the DISPLAY Method of CL\_SALV\_TABLE to display the ALV.

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1) All methods are abstract methods in Interface.

Triggering Method - Which will raise the event. Event Handler Method -> Which will handle the event.

SET HANDLER lo object1->event handler for lo object2.

Event handler -> Event handler method name.

4) Multiple Inheritance is not possible.

4) Multiple Inheritance is possible.

Interface ->

Where

2) All methods are public.

Syntax for Event Handler.

12) CONSTRUCTORS:

2) Method visibilty can be - Public, Private, Protected

Important Point : We can not redefine a static method.

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3) There is no need to click on the redefine button( redefine button is disabled) . We can write the logic in class by double

3) We need to redefine the abstract method in to sub classes to perform the implemenation in Sub class.

Register the event handler method using SET HANDLER statement.

11) Events -> By Which method of one class can call method of another class.

lo object1 = Class Object in Which Event handler method is defined.

lo object2-> Class Object in which triggering method is defined.

2) ALV object model is an encapsulation of the the pre-existing ALV tools. 3) For Example - CL SALV TABLE actually combines both the CL GUI ALV GRID class for container implementation, as well as the REUSE ALV GRID DISPLAY and REUSE ALV LIST DISPLAY function modules for full screen display. Advantage of ALV Object Model: It provides a collective interface to ALV tools. Disadvange of ALV Object Model: We can not go for editable ALV using ALV object model. Steps to Create ALV by CL SALV TABLE

Step2 : Call the DISPLAY Method of CL SALV TABLE to display the ALV.

Step1 : Call the FACTORY Method of CL SALV TABLE to get the instance of ALV table object.

Link for Static and Instance Methods:

http://www.sapspot.com/abap-objects-for-beginners-part-2-static-vs-instance-components/

Link for Interfaces.

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Important Links :

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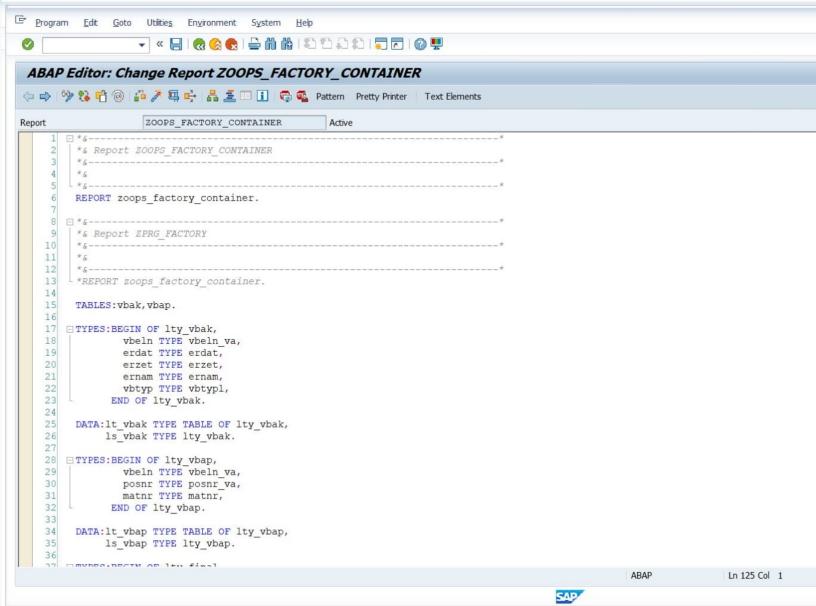












```
ls vbap TYPE lty vbap.
   TYPES: BEGIN OF lty final,
38
             vbeln TYPE vbeln va,
             erdat TYPE erdat,
40
             erzet TYPE erzet,
             ernam TYPE ernam,
             vbtyp TYPE vbtypl,
             posnr TYPE posnr va,
             matnr TYPE matnr,
           END OF lty final.
     DATA: It final TYPE TABLE OF Ity final,
          ls final TYPE lty final.
     DATA: lv index TYPE n.
     DATA: obj factory TYPE REF TO cl salv table.
54
55
     DATA: obj container TYPE REF TO cl gui custom container.
     DATA:obj function TYPE REF TO cl_salv_functions_list.
```

```
SELECT-OPTIONS:s vbeln FOR vbak-vbeln.
START-OF-SELECTION.
 SELECT vbeln erdat erzet ernam vbtyp
   FROM vbak
   INTO TABLE lt vbak
   WHERE vbeln IN s vbeln.
 IF It vbak IS NOT INITIAL.
    SELECT vbeln posnr matnr
      FROM vbap
     INTO TABLE 1t vbap
      FOR ALL ENTRIES IN 1t vbak
      WHERE vbeln = lt vbak-vbeln.
  ENDIF.
```

```
SORT It vbak BY vbeln.
       SORT 1t vbap BY vbeln.
       LOOP AT 1t vbak INTO 1s vbak.
76
         READ TABLE it vbap INTO is vbap WITH KEY vbeln = is vbak-vbeln.
77
         IF sy-subrc = 0.
78
           lv index = sy-tabix.
79
         ENDIF.
80
         LOOP AT 1t vbap INTO 1s vbap FROM 1v index.
81
           IF ls vbak-vbeln <> ls vbap-vbeln.
82
             EXIT.
83
           ELSE.
84
             ls final-vbeln = ls vbak-vbeln.
85
             ls final-erdat = ls vbak-erdat.
86
             ls final-erzet = ls vbak-erzet.
87
             ls final-ernam = ls vbak-ernam.
88
             ls final-vbtyp = ls vbak-vbtyp.
89
             ls final-posnr = ls vbap-posnr.
90
             ls final-matnr = ls vbap-matnr.
91
             APPEND 1s final TO 1t final.
92
93
             CLEAR: ls final.
           ENDIF.
94
         ENDLOOP.
95
       ENDLOOP.
```

```
99
            CALL METHOD cl salv table=>factory
100
              EXPORTING
101
                list display = IF SALV C BOOL SAP=>FALSE
102
                r container = obi container
103
                container name = 'CON NAM'
104
              TMPORTING
105
                r salv table = obi factory
106
              CHANGING
107
                t table
                               = lt final.
108
          CATCH cx salv msg.
109
        ENDTRY.
110
111
           create OBJECT obi value.
112
        CALL METHOD obj factory->if salv qui om table info-qet functions
113
          RECEIVING
114
            value = obj function.
115
116
        CALL METHOD obj function->set default
117
          EXPORTING
118
            value = if salv c bool sap=>true. " Boolean Variable (X=True, Space=False)
119
120
        CALL METHOD obj factory->if salv qui om table action~display
121 FI*
             IMPORTING
122
               exit caused by caller =
               exit caused by user =
123
124
125
126
127
        CALL SCREEN '1010'.
128
129
        INCLUDE zoops factory container stao01.
130
131
        INCLUDE zoops factory container usei01.
                                                                                                                     Ln 125 Col 1
                                                                                                     ABAP
```

SAP

96 97

98

TRY

\*call screen '1010'.



## **BACK TO SELECTION SCREEN**

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Sales Docur	ment Created On	Time	Created By	Doc	Item	Material	
1	08.01.2025	08:08:19	BEST	C	10	00000000000000026	
2	08.01.2025	10:21:59	BEST	C	10	00000000000000001	
3	08.01.2025	12:04:26	BEST	C	10	00000000000000001	
4	09.01.2025	19:07:27	BEST	C	10	00000000000000001	
5	09.01.2025	23:51:47	BEST	C	10	00000000000000062	
6	10.01.2025	00:05:34	BEST	C	10	00000000000000062	
7	10.01.2025	00:17:25	BEST	C	10	000000000000000075	
8	10.01.2025	08:04:17	BEST	C	10	00000000000000001	
9	10.01.2025	08:07:38	BEST	C	10	00000000000000001	