Report   ZOOPS_ALV   Active

```
  3   *&--------------------------------------------------------------*
  4   *&
  5   *&--------------------------------------------------------------*
  6   REPORT zoops_alv.
  7   TABLES:vbak,vbap.
  8   TYPES:BEGIN OF lty_vbak,
  9           vbeln TYPE vbeln_va,
 10           erdat TYPE erdat,
 11           erzet TYPE erzet,
 12           ernam TYPE ernam,
 13           vbtyp TYPE vbtypl,
 14         END OF lty_vbak.
 15
 16   DATA:lt_vbak  TYPE TABLE OF lty_vbak,
 17        lwa_vbak TYPE lty_vbak.
 18
 19   TYPES:BEGIN OF lty_vbap,
 20           vbeln TYPE vbeln_va,
 21           posnr TYPE posnr_va,
 22           matnr TYPE matnr,
 23         END OF lty_vbap.
 24
 25   DATA:lt_vbap  TYPE TABLE OF lty_vbap,
 26        lwa_vbap TYPE lty_vbap.
 27
 28   TYPES:BEGIN OF lty_final,
 29           vbeln TYPE vbeln_va,
 30           erdat TYPE erdat,
 31           erzet TYPE erzet,
 32           ernam TYPE ernam,
 33           vbtyp TYPE vbtypl,
 34           posnr TYPE posnr,
 35           matnr TYPE matnr,
 36         END OF lty_final.
 37
 38   DATA:lt_final  TYPE TABLE OF lty_final,
 39        lwa_final TYPE lty_final.
 40
```

ABAP Editor: Change Report ZOOPS_ALV

Pattern   Pretty Printer   Text Elements

Report   ZOOPS_ALV   Active

```abap
37
38     DATA:lt_final  TYPE TABLE OF lty_final,
39          lwa_final TYPE lty_final.
40
41     DATA:lv_index TYPE n.
42   *
43     DATA:lt_fieldcat TYPE lvc_t_fcat,
44          ls_fieldcat TYPE lvc_s_fcat.
45
46   *DATA:lt_fieldcat TYPE table of slis_fieldcat_alv,
47   *      lwa_fieldcat TYPE slis_fieldcat_alv.
48
49     DATA:obj_container TYPE REF TO cl_gui_custom_container.
50
51     DATA:obj_grid TYPE REF TO cl_gui_alv_grid.
52
```

```abap
53
54    SELECT-OPTIONS:s_vbeln FOR vbak-vbeln.
55
56  *SELECT a~vbeln a~erdat a~erzet a~ernam a~vbtyp b~posnr b~matnr
57  *   FROM vbak AS a INNER JOIN vbap AS b
58  *   ON a~vbeln = b~vbeln
59  *   INTO TABLE lt_final
60  *   WHERE a~vbeln IN s_vbeln.
61
62    SELECT vbeln erdat erzet ernam vbtyp
63      FROM vbak
64      INTO TABLE lt_vbak
65      WHERE vbeln IN s_vbeln.
66
67  IF lt_vbak IS NOT INITIAL.
68      SELECT vbeln posnr matnr
69        FROM vbap
70        INTO TABLE lt_vbap
71        FOR ALL ENTRIES IN lt_vbak
72        WHERE vbeln = lt_vbak-vbeln.
73  ENDIF.
```

Pattern   Pretty Printer   Text Elements

Report   ZOOPS_ALV   Active

```abap
60   *    WHERE a~vbeln IN s_vbeln.
61
62     SELECT vbeln erdat erzet ernam vbtyp
63       FROM vbak
64       INTO TABLE lt_vbak
65       WHERE vbeln IN s_vbeln.
66
67   IF lt_vbak IS NOT INITIAL.
68     SELECT vbeln posnr matnr
69       FROM vbap
70       INTO TABLE lt_vbap
71       FOR ALL ENTRIES IN lt_vbak
72       WHERE vbeln = lt_vbak-vbeln.
73   ENDIF.
74
75     SORT lt_vbak BY vbeln.
76     SORT lt_vbap BY vbeln.
77   LOOP AT lt_vbak INTO lwa_vbak.
78     READ TABLE lt_vbap INTO lwa_vbap WITH KEY vbeln = lwa_vbak-vbeln.
79     IF sy-subrc = 0.
80       lv_index = sy-tabix.
81     ENDIF.
82     LOOP AT lt_vbap INTO lwa_vbap FROM lv_index.
83     IF lwa_vbak-vbeln <> lwa_vbap-vbeln.
84        EXIT.
85      ELSE.
86        lwa_final-vbeln = lwa_vbak-vbeln.
87        lwa_final-erdat = lwa_vbak-erdat.
88        lwa_final-erzet = lwa_vbak-erzet.
89        lwa_final-ernam = lwa_vbak-ernam.
90        lwa_final-posnr = lwa_vbap-posnr.
91        lwa_final-matnr = lwa_vbap-matnr.
92        APPEND lwa_final TO lt_final.
93        CLEAR:lwa_vbak,lwa_vbap,lwa_final.
94      ENDIF.
95     ENDLOOP.
96   ENDLOOP.
97
```

```abap
 98
 99
100  *LOOP AT lt_final INTO lwa_final.
101  *   WRITE: / lwa_final-vbeln,
102  *             lwa_final-erdat,
103  *             lwa_final-erzet,
104  *             lwa_final-ernam,
105  *             lwa_final-posnr,
106  *             lwa_final-matnr.
107  *
108  *ENDLOOP.
109
110  *CALL FUNCTION 'LVC_FIELDCATALOG_MERGE'
111  *   EXPORTING
112  **    I_BUFFER_ACTIVE        =
113  *     i_structure_name       = 'ZSTR_OOPS'
114  **    I_CLIENT_NEVER_DISPLAY = 'X'
115  **    I_BYPASSING_BUFFER     =
116  **    I_INTERNAL_TABNAME     =
117  *   CHANGING
118  *     ct_fieldcat            = lt_fieldcat
119  *   EXCEPTIONS
120  *     inconsistent_interface = 1
121  *     program_error          = 2
122  *     OTHERS                 = 3.
123  *IF sy-subrc <> 0.
124  ** Implement suitable error handling here
125  *ENDIF.
126
```

```abap
126
127
128     *Manual Field Catalog Build.
129     lt_fieldcat = VALUE #( ( col_pos = '1'  fieldname = 'VBELN' hotspot   = abap_true scrtext_l = 'Sales Number' key = 'X' )
130                           ( col_pos = '2'  fieldname = 'ERDAT' scrtext_l = 'Sales Date' )
131                           ( col_pos = '3'  fieldname = 'ERZET' scrtext_l = 'Time' )
132                           ( col_pos = '4'  fieldname = 'ERNAM' scrtext_l = 'Name' key        = 'X' )
133                           ( col_pos = '5'  fieldname = 'VBTYP' scrtext_l = 'Material Type'   key       = 'X' )
134                           ( col_pos = '6'  fieldname = 'POSNR' scrtext_l = 'Sales Item No'   key       = 'X' )
135                           ( col_pos = '7'  fieldname = 'MATNR' hotspot   = abap_true scrtext_l = 'Material No'  key = 'X' )
136                           ) .
137
```

```abap
137
138     *ls_fieldcat-col_pos = '1'.
139     *ls_fieldcat-fieldname = 'VBELN'.
140     *ls_fieldcat-scrtext_l = 'Sales Number'.
141     *APPEND ls_fieldcat TO lt_fieldcat.
142     *CLEAR:ls_fieldcat.
143     *
144     *ls_fieldcat-col_pos = '2'.
145     *ls_fieldcat-fieldname = 'ERDAT'.
146     *ls_fieldcat-scrtext_l = 'Sales Date'.
147     *APPEND ls_fieldcat TO lt_fieldcat.
148     *CLEAR:ls_fieldcat.
149     *
150     *
151     *ls_fieldcat-col_pos = '3'.
152     *ls_fieldcat-fieldname = 'ERZET'.
153     *ls_fieldcat-scrtext_l = 'Time'.
154     *APPEND ls_fieldcat TO lt_fieldcat.
155     *CLEAR:ls_fieldcat.
156     *
157     *
158     *ls_fieldcat-col_pos = '4'.
159     *ls_fieldcat-fieldname = 'ERNAM'.
160     *ls_fieldcat-scrtext_l = 'Name'.
161     *APPEND ls_fieldcat TO lt_fieldcat.
162     *CLEAR:ls_fieldcat.
163     *
164     *
165     *ls_fieldcat-col_pos = '5'.
166     *ls_fieldcat-fieldname = 'VBTYP'.
167     *ls_fieldcat-scrtext_l = 'Material Type'.
168     *APPEND ls_fieldcat TO lt_fieldcat.
169     *CLEAR:ls_fieldcat.
170     *
```

```abap
*
*ls_fieldcat-col_pos = '6'.
*ls_fieldcat-fieldname = 'POSNR'.
*ls_fieldcat-scrtext_l = 'Item'.
*APPEND ls_fieldcat TO lt_fieldcat.
*CLEAR:ls_fieldcat.



*ls_fieldcat-col_pos = '7'.
*ls_fieldcat-fieldname = 'MATNR'.
*ls_fieldcat-scrtext_l = 'Material Number'.
*APPEND ls_fieldcat TO lt_fieldcat.
*CLEAR:ls_fieldcat.
```

ABAP Editor: Change Report ZOOPS_ALV

Pattern   Pretty Printer   Text Elements

Report   ZOOPS_ALV   Active

```abap
188
189    CREATE OBJECT obj_container
190      EXPORTING
191        container_name = 'CON_NAM'. "Container Name
192
193    CREATE OBJECT obj_grid
194      EXPORTING
195        i_parent = obj_container. "Parent Object
196        .
197    CALL METHOD obj_grid->set_table_for_first_display
198      EXPORTING
199 *     i_buffer_active             =
200 *     i_bypassing_buffer          =
201 *     i_consistency_check         =
202        i_structure_name            = 'ZSTR_OOPS'
203 *     is_variant                  =
204 *     i_save                      =
205 *     i_default                   = 'X'
206 *     is_layout                   =
207 *     is_print                    =
208 *     it_special_groups           =
209 *     it_toolbar_excluding        =
210 *     it_hyperlink                =
211 *     it_alv_graphics             =
212 *     it_except_qinfo             =
213 *     ir_salv_adapter             =
214      CHANGING
215        it_outtab                   = lt_final
216        it_fieldcatalog             = lt_fieldcat
217 *     it_sort                     =
218 *     it_filter                   =
219      EXCEPTIONS
220        invalid_parameter_combination = 1
221        program_error               = 2
222        too_many_lines              = 3
223        OTHERS                      = 4.
224 IF sy-subrc <> 0.
225  * Implement suitable error handling here
```

```abap
196     .
197     CALL METHOD obj_grid->set_table_for_first_display
198        EXPORTING
199    *     i_buffer_active              =
200    *     i_bypassing_buffer           =
201    *     i_consistency_check          =
202          i_structure_name             = 'ZSTR_OOPS'
203    *     is_variant                   =
204    *     i_save                       =
205    *     i_default                    = 'X'
206    *     is_layout                    =
207    *     is_print                     =
208    *     it_special_groups            =
209    *     it_toolbar_excluding         =
210    *     it_hyperlink                 =
211    *     it_alv_graphics              =
212    *     it_except_qinfo              =
213    *     ir_salv_adapter              =
214        CHANGING
215          it_outtab                    = lt_final
216          it_fieldcatalog              = lt_fieldcat
217    *     it_sort                      =
218    *     it_filter                    =
219        EXCEPTIONS
220          invalid_parameter_combination = 1
221          program_error                = 2
222          too_many_lines               = 3
223          OTHERS                       = 4.
224     IF sy-subrc <> 0.
225    * Implement suitable error handling here
226     ENDIF.
227
228     CALL SCREEN '0100'.
229
230    *INCLUDE zoops_alv_user_command_0100i03.
231
232     INCLUDE zoops_alv_user_command_0100i04.
```

Screen Painter: Change Screen for ZOOPS_ALV

⇦ 🐾 🗂 🔡 🖋 🗃 🖆 | 🔠 🔣 ℹ | ⇨ Layout   Pretty Printer   Pattern

Screen number   `100`   Active

| Attributes | Element list | Flow logic |

```
1    PROCESS BEFORE OUTPUT.
2  ⊟ * MODULE STATUS_0100.
3  └ *
4    PROCESS AFTER INPUT.
5     MODULE USER_COMMAND_0100.
```

ABAP Editor: Change Include ZOOPS_ALV_USER_COMMAND_0100I04

◁ ▷ | Pattern   Pretty Printer   Text Elements

Include   ZOOPS_ALV_USER_COMMAND_0100I04 Active

```abap
 4    *&---------------------------------------------------------------------*
 5    *&      Module  USER_COMMAND_0100  INPUT
 6    *&---------------------------------------------------------------------*
 7    *       text
 8    *----------------------------------------------------------------------*
 9    MODULE user_command_0100 INPUT.
10      IF sy-ucomm = 'BACK'.
11        LEAVE TO SCREEN 0.
12      ENDIF.
13
14    ENDMODULE.
```

SAP

Sales Document	Created On	Time	Created By	Doc...	Item	Material No
1	08.01.2025	08:08:19	BEST		10	26
2	08.01.2025	10:21:59	BEST		10	1
3	08.01.2025	12:04:26	BEST		10	1
4	09.01.2025	19:07:27	BEST		10	1
5	09.01.2025	23:51:47	BEST		10	62
6	10.01.2025	00:05:34	BEST		10	62
7	10.01.2025	00:17:25	BEST		10	75
8	10.01.2025	08:04:17	BEST		10	1
9	10.01.2025	08:07:38	BEST		10	1