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Report	ZBDC_PRG	Active

```abap
     1  *&---------------------------------------------------------------------*
     2  *& Report ZBDC_PRG
     3  *&---------------------------------------------------------------------*
     4  *&
     5  *&---------------------------------------------------------------------*
     6  REPORT zbdc_prg.
     7
     8  TYPES:BEGIN OF lty_data,
     9          matnr TYPE matnr, "Material Number
    10          mbrsh TYPE mbrsh, "Industry
    11          mtart TYPE mtart, "material Type
    12          maktx TYPE maktx, "Material Description
    13          meins TYPE meins, "Quantity
    14        END OF lty_data.
    15
    16  DATA:lt_data  TYPE TABLE OF lty_data,
    17       lwa_data TYPE lty_data.
    18
    19  DATA:lv_file TYPE string.
    20
    21
    22  DATA:lt_bdcdata  TYPE TABLE OF bdcdata,
    23       lwa_bdcdata TYPE bdcdata. "OCCURS 0 WITH HEADER LINE.
    24
    25
    26  *DATA:   MESSTAB LIKE BDCMSGCOLL OCCURS 0 WITH HEADER LINE.
    27  DATA:lt_messages  TYPE TABLE OF bdcmsgcoll,
    28       lwa_messages TYPE bdcmsgcoll.
    29
    30  DATA:lv_messages TYPE string.
    31
    32
```

ABAP Editor: Change Report ZBDC_PRG

Pattern   Pretty Printer   Text Elements

Report	ZBDC_PRG	Active

```abap
33
34     PARAMETERS:p_file TYPE localfile.
35
36     AT SELECTION-SCREEN ON VALUE-REQUEST FOR p_file.
37       CALL FUNCTION 'F4_FILENAME'
38         EXPORTING
39           program_name  = syst-cprog
40           dynpro_number = syst-dynnr
41           field_name    = ' '
42         IMPORTING
43           file_name     = p_file.
44
45
```

ABAP Editor: Change Report ZBDC_PRG

Pattern   Pretty Printer   Text Elements

Report   ZBDC_PRG   Active

```
46    START-OF-SELECTION.
47
48      lv_file = p_file. "Explicit Type Casting
49
50      CALL FUNCTION 'GUI_UPLOAD'
51        EXPORTING
52          filename            = lv_file
53   *      FILETYPE            = 'ASC'
54          has_field_separator = 'X'
55   *      HEADER_LENGTH       = 0
56   *      READ_BY_LINE        = 'X'
57   *      DAT_MODE            = ' '
58   *      CODEPAGE            = ' '
59   *      IGNORE_CERR         = ABAP_TRUE
60   *      REPLACEMENT         = '#'
61   *      CHECK_BOM           = ' '
62   *      VIRUS_SCAN_PROFILE  =
63   *      NO_AUTH_CHECK       = ' '
64   *    IMPORTING
65   *      FILELENGTH          =
66   *      HEADER              =
67        TABLES
68          data_tab            = lt_data
69   *    CHANGING
70   *      ISSCANPERFORMED     = ' '
71   *    EXCEPTIONS
72   *      FILE_OPEN_ERROR       = 1
73   *      FILE_READ_ERROR       = 2
74   *      NO_BATCH              = 3
75   *      GUI_REFUSE_FILETRANSFER   = 4
76   *      INVALID_TYPE          = 5
77   *      NO_AUTHORITY          = 6
78   *      UNKNOWN_ERROR         = 7
79   *      BAD_DATA_FORMAT       = 8
80   *      HEADER_NOT_ALLOWED    = 9
81   *      SEPARATOR_NOT_ALLOWED     = 10
82   *      HEADER_TOO_LONG       = 11
83   *      UNKNOWN_DP_ERROR      = 12
```

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ABAP Editor: Change Report ZBDC_PRG

Pattern   Pretty Printer   Text Elements

Report   ZBDC_PRG   Active

```
61  *       CHECK_BOM            = ' '
62  *       VIRUS_SCAN_PROFILE  =
63  *       NO_AUTH_CHECK       = ' '
64  * IMPORTING
65  *       FILELENGTH          =
66  *       HEADER              =
67      TABLES
68          data_tab            = lt_data
69  * CHANGING
70  *       ISSCANPERFORMED     = ' '
71  * EXCEPTIONS
72  *       FILE_OPEN_ERROR     = 1
73  *       FILE_READ_ERROR     = 2
74  *       NO_BATCH            = 3
75  *       GUI_REFUSE_FILETRANSFER    = 4
76  *       INVALID_TYPE        = 5
77  *       NO_AUTHORITY        = 6
78  *       UNKNOWN_ERROR       = 7
79  *       BAD_DATA_FORMAT     = 8
80  *       HEADER_NOT_ALLOWED  = 9
81  *       SEPARATOR_NOT_ALLOWED      = 10
82  *       HEADER_TOO_LONG     = 11
83  *       UNKNOWN_DP_ERROR    = 12
84  *       ACCESS_DENIED       = 13
85  *       DP_OUT_OF_MEMORY    = 14
86  *       DISK_FULL           = 15
87  *       DP_TIMEOUT          = 16
88  *       OTHERS              = 17
89          .
90      IF sy-subrc <> 0.
91  * Implement suitable error handling here
92      ENDIF.
93
94
95  * Include bdcrecx1_s:
96  * The call transaction using is called WITH AUTHORITY-CHECK!
97  * If you have own auth.-checks you can use include bdcrecx1 instead.
98  *include bdcrecx1 s.
```

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Pattern   Pretty Printer   Text Elements

Report	ZBDC_PRG	Active

```
 95  * Include bdcrecx1_s:
     * The call transaction using is called WITH AUTHORITY-CHECK!
 96
 97  * If you have own auth.-checks you can use include bdcrecx1 instead.
 98  *include bdcrecx1_s.
 99
100    START-OF-SELECTION.
101
102      CALL FUNCTION 'BDC_OPEN_GROUP'
103        EXPORTING
104          client              = sy-mandt
105  *       dest                = filler8
106          group               = 'MM01_grp1'    "group Name
107          holddate            = sy-datum
108          keep                = 'X'            "abap True "session entries available after processing also if'X'
109          user                = sy-uname       "System user name
110  *       record              = filler1
111  *       prog                = sy-cprog
112  *       dcpfm               = '%'
113  *       datfm               = '%'
114  *       app_area            = filler12
115  *       langu               = sy-langu
116  *     IMPORTING
117  *       qid                 =
118        EXCEPTIONS
119          client_invalid      = 1
120          destination_invalid = 2
121          group_invalid       = 3
122          group_is_locked     = 4
123          holddate_invalid    = 5
124          internal_error      = 6
125          queue_error         = 7
126          running             = 8
127          system_lock_error   = 9
128          user_invalid        = 10
129          OTHERS              = 11.
130      IF sy-subrc <> 0.
131  * Implement suitable error handling here
132      ENDIF.
```

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```abap
129            OTHERS         = 11.
130  □    IF sy-subrc <> 0.
131   * Implement suitable error handling here
132       ENDIF.
133
134     *perform open_group.
135  □    LOOP AT lt_data INTO lwa_data.
136
137        PERFORM bdc_dynpro      USING 'SAPLMGMM' '0060'.
138        PERFORM bdc_field       USING 'BDC_CURSOR'
139                                       lwa_data-matnr.
140        PERFORM bdc_field       USING 'BDC_OKCODE'
141                                       '=ENTR'.
142        PERFORM bdc_field       USING 'RMMG1-MBRSH'
143                                       lwa_data-mbrsh.
144        PERFORM bdc_field       USING 'RMMG1-MTART'
145                                       lwa_data-mtart.
146        PERFORM bdc_dynpro      USING 'SAPLMGMM' '0070'.
147        PERFORM bdc_field       USING 'BDC_CURSOR'
148                                       'MSICHTAUSW-DYTXT(01)'.
149        PERFORM bdc_field       USING 'BDC_OKCODE'
150                                       '=ENTR'.
151        PERFORM bdc_field       USING 'MSICHTAUSW-KZSEL(01)'
152                                       'X'.
153        PERFORM bdc_dynpro      USING 'SAPLMGMM' '3000'.
154        PERFORM bdc_field       USING 'BDC_OKCODE'
```

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ABAP Editor: Change Report ZBDC_PRG

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Report   ZBDC_PRG   Active

```
133
134      *perform open_group.
135   ⊟    LOOP AT lt_data INTO lwa_data.
136
137          PERFORM bdc_dynpro       USING 'SAPLMGMM' '0060'.
138          PERFORM bdc_field        USING 'BDC_CURSOR'
139                                         lwa_data-matnr.
140          PERFORM bdc_field        USING 'BDC_OKCODE'
141                                         '=ENTR'.
142          PERFORM bdc_field        USING 'RMMG1-MBRSH'
143                                         lwa_data-mbrsh.
144          PERFORM bdc_field        USING 'RMMG1-MTART'
145                                         lwa_data-mtart.
146          PERFORM bdc_dynpro       USING 'SAPLMGMM' '0070'.
147          PERFORM bdc_field        USING 'BDC_CURSOR'
148                                         'MSICHTAUSW-DYTXT(01)'.
149          PERFORM bdc_field        USING 'BDC_OKCODE'
150                                         '=ENTR'.
151          PERFORM bdc_field        USING 'MSICHTAUSW-KZSEL(01)'
152                                         'X'.
153          PERFORM bdc_dynpro       USING 'SAPLMGMM' '3000'.
154          PERFORM bdc_field        USING 'BDC_OKCODE'
155                                         '=BU'.
156          PERFORM bdc_field        USING 'MAKT-MAKTX'
157                                         lwa_data-maktx.
158          PERFORM bdc_field        USING 'BDC_CURSOR'
159                                         'MARA-MEINS'.
160          PERFORM bdc_field        USING 'MARA-MEINS'
161                                         lwa_data-meins.
162
163          CALL FUNCTION 'BDC_INSERT'
164   ⊟ *       EXPORTING
165     *          TCODE                 = FILLER4
166     *          POST_LOCAL            = NOVBLOCAL
167     *          PRINTING              = NOPRINT
168     *          SIMUBATCH             = ' '
169     *          CTUPARAMS             = ' '
170            TABLES
```

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Pattern   Pretty Printer   Text Elements

Report   ZBDC_PRG   Active

```
161                            lwa_data-meins.
162
163        CALL FUNCTION 'BDC_INSERT'
164    *     EXPORTING
165    *       TCODE              = FILLER4
166    *       POST_LOCAL         = NOVBLOCAL
167    *       PRINTING           = NOPRINT
168    *       SIMUBATCH          = ' '
169    *       CTUPARAMS          = ' '
170        TABLES
171          dynprotab            = lt_bdcdata
172        EXCEPTIONS
173          internal_error       = 1
174          not_open             = 2
175          queue_error          = 3
176          tcode_invalid        = 4
177          printing_invalid     = 5
178          posting_invalid      = 6
179          OTHERS               = 7.
180      IF sy-subrc <> 0.
181    * Implement suitable error handling here
182        ENDIF.
183        REFRESH lt_bdcdata.
184
185
186
187
188    *    CALL TRANSACTION 'MM01' USING lt_bdcdata MODE 'A' UPDATE 'S' MESSAGES INTO lt_messages.
189    *    REFRESH lt_bdcdata.
190    *
191    *    LOOP AT lt_messages INTO lwa_messages.
192    *      CALL FUNCTION 'MESSAGE_TEXT_BUILD'
193    *        EXPORTING
194    *        msgid              = lwa_messages-msgid
195    *        msgnr              = lwa_messages-msgnr
196    *        msgv1              = lwa_messages-msgv1
197    *        msgv2              = lwa_messages-msgv2
198    *        msgv3              = lwa_messages-msgv3
```

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Pattern   Pretty Printer   Text Elements

Report   ZBDC_PRG   Active

```abap
187
188  *     CALL TRANSACTION 'MM01' USING lt_bdcdata MODE 'A' UPDATE 'S' MESSAGES INTO lt_messages.
189  *     REFRESH lt_bdcdata.
190  *
191  *     LOOP AT lt_messages INTO lwa_messages.
192  *       CALL FUNCTION 'MESSAGE_TEXT_BUILD'
193  *         EXPORTING
194  *           msgid               = lwa_messages-msgid
195  *           msgnr               = lwa_messages-msgnr
196  *           msgv1               = lwa_messages-msgv1
197  *           msgv2               = lwa_messages-msgv2
198  *           msgv3               = lwa_messages-msgv3
199  *           msgv4               = lwa_messages-msgv4
200  *         IMPORTING
201  *           message_text_output = lv_messages.
202  *       WRITE: / lv_messages.
203  *     ENDLOOP.
204  *perform bdc_transaction using 'MM01'.
205
206  *perform close_group.
207
208    ENDLOOP.
209
210    CALL FUNCTION 'BDC_CLOSE_GROUP'
211      EXCEPTIONS
212        not_open    = 1
213        queue_error = 2
214        OTHERS      = 3.
215  IF sy-subrc <> 0.
216  * Implement suitable error handling here
217    ENDIF.
218
219
220
221
222
223  *----------------------------------------------------------------------*
224  *        Start new screen                                              *
```

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ABAP Editor: Change Report ZBDC_PRG

Pattern   Pretty Printer   Text Elements

Report   ZBDC_PRG   Active

```
211          EXCEPTIONS
212            not_open    = 1
213            queue_error = 2
214            OTHERS      = 3.
215     IF sy-subrc <> 0.
216  * Implement suitable error handling here
217       ENDIF.
218
219
220
221
222
223  *----------------------------------------------------*
224  *          Start new screen                          *
225  *----------------------------------------------------*
226  FORM bdc_dynpro USING program dynpro.
227       CLEAR lwa_bdcdata.
228       lwa_bdcdata-program  = program.
229       lwa_bdcdata-dynpro   = dynpro.
230       lwa_bdcdata-dynbegin = 'X'.
231       APPEND lwa_bdcdata TO lt_bdcdata.
232  ENDFORM.
233
234  *----------------------------------------------------*
235  *          Insert field                              *
236  *----------------------------------------------------*
237  FORM bdc_field USING fnam fval.
238       CLEAR lwa_bdcdata.
239       lwa_bdcdata-fnam = fnam.
240       lwa_bdcdata-fval = fval.
241       APPEND lwa_bdcdata TO lt_bdcdata.
242  ENDFORM.
```

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SAP