



NEW ABAP SYNTAX TIPS & EXPRESSIONS

INSTEAD OF CATCH
CX_SY_ITAB_LINE_NOT_FOUND:

```
data(gs_booking) = value # ( gt_booking  
                           [ 1 ] optional ).
```

QUICK DATA DISPLAY:

```
cl_demo_output=>write( gt_booking ).  
cl_demo_output=>write( gs_booking ).  
cl_demo_output=>display( ).
```

INSTEAD OF DESCRIBE TABLE...LINES:

```
data(gv_lines) = lines( gt_booking ). •
```

Read last row:

```
data(gs_booking1) = value # ( gt_booking[ gv_lines ] optional ).
```

USING READ TABLES:

```
select * from bkpfl into TABLE @data(gt_bkpfl) WHERE buhrs in @s_buhrs
                                         and belnr in @s_belnr
                                         and gjahr in @s_gjahr.

sort gt_bkpfl by buhrs belnr gjahr.

if gt_bkpfl[] is NOT INITIAL.
  "line items data
  select * from bseg into TABLE @data(gt_bseg) FOR ALL ENTRIES IN @gt_bkpfl
  WHERE buhrs = @gt_bkpfl-buhrs
    and belnr = @gt_bkpfl-belnr
    and gjahr = @gt_bkpfl-gjahr.

  loop at gt_bkpfl into data(gs_bkpfl).

  try.
    data(gs_bseg) = gt_bseg[ buhrs = gs_bkpfl-buhrs
                           belnr = gs_bkpfl-belnr
                           gjahr = gs_bkpfl-gjahr ].

  CATCH cx_root.
  ENDTRY.

  clear : gs_bkpfl.
  endloop.

endif.
```

NEW CONCATENATE SYNTAX:

New syntax

```
data(gv_stringn) = | Accountign Key { gs_bkpf-bukrs } { gs_bkpf-belnr } { gs_bkpf-gjahr } |.  
write : / gv_stringn.
```

Accountigng Key 1000 2000059966 2017

```
data(gv_stringn1) = | Accountigng Key | && gs_bkpf-bukrs && gs_bkpf-belnr && gs_bkpf-gjahr && | Created Successfully |.  
write : / gv_stringn1.
```

Accountigng Key 100020000599662017 Created Successfully

```
data(gv_stringn2) = | Accountigng Document { gs_bkpf-belnr } Created sucesfully |.  
write : / gv_stringn2.
```

Accountigng Document 2000059966 Created sucesfully

FORMATTING

Alpha formatting : To add/remove the leading zeros to a variable before new abap syntax we make use to two function modules

CONVERSION_EXIT_ALPHA_OUTPUT - to remove the leading zeros

CONVERSION_EXIT_ALPHA_INPUT - to add the leading zeros

```
CALL FUNCTION 'CONVERSION_EXIT_ALPHA_OUTPUT'
  EXPORTING
    INPUT      = gv_matnr
  IMPORTING
    OUTPUT     = gv_matnr.
```

```
CALL FUNCTION 'CONVERSION_EXIT_ALPHA_INPUT'
  EXPORTING
    INPUT      = gv_matnr
  IMPORTING
    OUTPUT     = gv_matnr.
```

ALPHA formatting with new ABAP syntax.

```
gv_matnr = | { gv_matnr ALPHA = OUT } |.
```

```
gv_matnr = | { gv_matnr ALPHA = IN } |.
```

New abap syntax

New syntax

```
data(gv_stringn) = | Accountign Key { gs_bkpf-bukrs } { gs_bkpf-belnr } { gs_bkpf-gjahr } |.  
write : / gv_stringn.
```

Accountign Key 1000 2000059966 2017

```
data(gv_stringn1) = | Accountign Key | && gs_bkpf-bukrs && gs_bkpf-belnr && gs_bkpf-gjahr && | Created Successfully |.  
write : / gv_stringn1.
```

Accountign Key 100020000599662017 Created Successfully

```
data(gv_stringn2) = | Accountign Document { gs_bkpf-belnr } Created sucesfully |.  
write : / gv_stringn2.
```

Accountign Document 2000059966 Created sucesfully

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New abap syntax

```
data(gv_stringn) = | Accountign Key { gs_bkpf-bukrs } { gs_bkpf-belnr } { gs_bkpf-gjahr } |.  
write : / gv_stringn.
```

Accountign Key 1000 2000059966 2017

```
data(gv_stringn1) = | Accountign Key | && gs_bkpf-bukrs && gs_bkpf-belnr && gs_bkpf-gjahr && | Created Successfully |.  
write : / gv_stringn1.
```

Accountign Key 100020000599662017 Created Successfully

```
data(gv_stringn2) = | Accountign Document { gs_bkpf-belnr } Created sucesfully |.  
write : / gv_stringn2.
```

Accountign Document 2000059966 Created sucesfully

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