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**ABAP Development for SAP HANA**

[**https://open.sap.com/courses/a4h1**](https://open.sap.com/courses/a4h1)

**Source Code of Week 2**



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Only Demo content

Without any warranty

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# CDS DDL Sources

@AbapCatalog.sqlViewName: 'ZVOIA\_ALV'

**define** **view** zcdsv\_oia\_basic\_alv **as** **select** **from** snwd\_so **as** so

**inner** **join** snwd\_bpa **as** bp **on** so**.**buyer\_guid **=** bp**.**node\_key

**left** **outer** **join** snwd\_so\_inv\_head **as** so\_inv **on** so**.**node\_key **=** so\_inv**.**so\_guid

**{**

**key** so**.**so\_id**,**

so**.**currency\_code**,**

so**.**gross\_amount**,**

so**.**created\_at**,**

bp**.**company\_name**,**

**case** so**.**delivery\_status

**when** ' ' **then** 'OPEN'

**when** 'D' **then** 'DELIVERED'

**else** so**.**delivery\_status

**end** **as** delivery\_status**,**

substring**(** bp**.**company\_name**,** 1**,** 10 **)** **as** short\_name

**}**

# ABAP Programs

## ZR\_ALV\_IDA

REPORT zr\_alv\_ida.

cl\_salv\_gui\_table\_ida=>create\_for\_cds\_view( iv\_cds\_view\_name = 'ZCDSV\_OIA\_BASIC\_ALV' )->fullscreen( )->display( ).

## ZSTATIC\_FUNCTIONAL

REPORT zstatic\_functional.

TABLES: sflight.

DATA wa TYPE sflight.

DATA itab TYPE TABLE OF sflight.

SELECT \* FROM sflight

INTO TABLE itab

WHERE carrid = 'LH' AND connid = '0400'.

READ TABLE itab INTO wa

WITH KEY carrid = 'LH'

connid = '0400'

fldate = '20130101'

BINARY SEARCH.

SELECT \* FROM sflight

INTO TABLE itab

WHERE carrid = 'LH' AND connid = '0400'.

DELETE ADJACENT DUPLICATES FROM itab COMPARING carrid.

LOOP AT itab INTO wa.

AT NEW carrid.

WRITE: / wa-carrid.

ENDAT.

ENDLOOP.

DATA counter TYPE i.

DATA: indnr TYPE dd12l-dbindex VALUE '001',

tabname TYPE dd12l-sqltab VALUE 'SFLIFHT',

subrc TYPE sy-subrc.

CALL FUNCTION 'DB\_EXISTS\_INDEX'

EXPORTING

dbindex = indnr

tabname = tabname

IMPORTING

subrc = subrc

EXCEPTIONS

parameter\_error = 1

OTHERS = 2.

IF sy-subrc <> 0 OR subrc <> 0.

WRITE ' Index missing'(001).

ENDIF.

DATA: BEGIN OF jpera,

era(4) TYPE c,

shera(1) TYPE c,

stdate(8) TYPE c,

END OF jpera.

DATA: jpdate(11) TYPE c,

inp TYPE d.

inp = sy-datum.

EXEC SQL.

SELECT ERA, SHERA, STDATE INTO :JPERA

FROM LDERA

WHERE LANG = :SY-LANGU

AND STDATE = ( SELECT MAX(STDATE)

FROM LDERA

WHERE LANG = :SY-LANGU

AND STDATE <= :INP )

ENDEXEC.

SELECT era shera stdate INTO jpera

FROM ldera UP TO 1 ROWS

WHERE lang = sy-langu

AND stdate = ( SELECT MAX( stdate )

FROM ldera

WHERE lang = sy-langu

AND stdate <= inp ).

ENDSELECT.

## ZSTATIC\_PERFORMANCE

REPORT zstatic\_performance.

DATA: it\_user TYPE TABLE OF usr01,

wa\_user TYPE usr01,

rc TYPE sy-subrc,

wa\_user2 TYPE usr02,

it\_sett TYPE TABLE OF rseumod.

SELECT-OPTIONS: s\_users FOR wa\_user-bname.

SELECT \* FROM usr01 INTO TABLE it\_user WHERE bname IN s\_users .

LOOP AT it\_user INTO wa\_user.

SELECT SINGLE \* FROM usr02 INTO wa\_user2 WHERE bname = wa\_user-bname.

IF sy-subrc = 0.

"...

PERFORM wb\_settings\_check USING wa\_user2-bname CHANGING rc.

"....

ENDIF.

ENDLOOP.

FORM wb\_settings\_check USING i\_name TYPE rseumod-uname CHANGING rc.

DATA l\_rseumod TYPE rseumod.

SELECT SINGLE \* FROM rseumod

INTO l\_rseumod

WHERE uname = i\_name.

rc = sy-subrc.

ENDFORM.