First CDS program

02 October 2025   09:08 AM

- [x] First fiori apps
- [x] ZI_RAP001_Test001

```
@AbapCatalog.viewEnhancementCategory: [#NONE]
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Insertation of RAP into table ZPA0000'
@Metadata.ignorePropagatedAnnotations: true
@ObjectModel.usageType:{
serviceQuality: #X,
sizeCategory: #S,
dataClass: #MIXED
}
define view entity ZI_RAP001_Test001
as select from zpa0000 as emplhead
inner join zpa0001  as posi
on emplhead.perid = posi.perid


{
key emplhead.perid as Perid,
emplhead.name as Name,
emplhead.age as Age,
posi.positionid as Positionid,
posi.position_d as PositionD,
posi.doj as Doj
}
```

Table zpa0001

```
@EndUserText.label : 'Org assignment'
@AbapCatalog.enhancement.category : #NOT_EXTENSIBLE
@AbapCatalog.tableCategory : #TRANSPARENT
@AbapCatalog.deliveryClass : #A
@AbapCatalog.dataMaintenance : #RESTRICTED
define table zpa0001 {

key client : abap.clnt not null;
key perid  : abap.sstring(15) not null;
positionid : abap.int1;
position_d : abap.char(50);
doj        : abap.dats;

}
```

CLIEI	PEF	ISITIONID	POSITION	DOJ
100	8999	20	Developer	1980-10-02
100	8990	21	Manager	1981-10-02
100	8991	22	Cross M	1978-10-23
100	8992	23	Senior Developer	1989-10-24

4 rows retrieved - 23 ms

Table ZPA0000

```
@EndUserText.label : 'Employee master'
@AbapCatalog.enhancement.category : #EXTENSIBLE_ANY
@AbapCatalog.tableCategory : #TRANSPARENT
@AbapCatalog.deliveryClass : #A
@AbapCatalog.dataMaintenance : #ALLOWED
define table zpa0000 {

key client : abap.clnt not null;
key perid  : abap.sstring(15) not null;
name       : abap.char(20);
age        : abap.int1;

}
```

CLIEI	PEF	NAP	iE
100	8999	Name1	20
100	8990	Name2	20
100	8991	Neslin	20
100	8992	Karthikeyan	22

4 rows retrieved - 15 ms

Code to insert dummy data into Table ZPA0000

```
CLASS zcl_zpa000_gen_data01 DEFINITION
  PUBLIC
  FINAL
  CREATE PUBLIC .

  PUBLIC SECTION.

    INTERFACES if_oo_adt_classrun .
  PROTECTED SECTION.
  PRIVATE SECTION.
ENDCLASS.



CLASS zcl_zpa000_gen_data01 IMPLEMENTATION.


  METHOD if_oo_adt_classrun~main.
    DATA: ls_ZPA0000_table TYPE zpa0000. " Replace zyour_table_name with your actual table name

      " Insert first record
      ls_ZPA0000_table-name = 'Name1'.
      ls_zpa0000_table-age    = 20.
      ls_zpa0000_table-perid  = '8999'.
      INSERT zpa0000 FROM @ls_zpa0000_table.
      IF sy-subrc = 0.
        out->write( 'Record 1 inserted successfully.' ).
      ELSE.
        out->write( 'Error inserting record 1.' ).
      ENDIF.

      " Insert first record
      ls_ZPA0000_table-name = 'Name2'.
      ls_zpa0000_table-age    = 20.
      ls_zpa0000_table-perid  = '8990'.
      INSERT zpa0000 FROM @ls_zpa0000_table.
      IF sy-subrc = 0.
        out->write( 'Record 1 inserted successfully.' ).
      ELSE.
        out->write( 'Error inserting record 1.' ).
      ENDIF.

      " You can also use a loop with an internal table for multiple entries
      DATA: lt_your_table TYPE STANDARD TABLE OF zpa0000.

      DATA(ls_data) = VALUE zpa0000( age = 20 perid = '8991' name = 'Neslin' ).
      APPEND ls_data TO lt_your_table.

      ls_data = VALUE zpa0000( age = 22 perid = '8992' name = 'Karthikeyan' ).
      APPEND ls_data TO lt_your_table.

      MODIFY zpa0000 FROM TABLE @lt_your_table.
      IF sy-subrc = 0.
        out->write( 'Multiple records inserted successfully.' ).
      ELSE.
        out->write( 'Error inserting multiple records.' ).
      ENDIF.

  ENDMETHOD.
ENDCLASS.
```

Code to insert dummy data into Table ZPA0001

```
  CLASS zcl_zpa001_gen_data01 DEFINITION
    PUBLIC
    FINAL
    CREATE PUBLIC .

    PUBLIC SECTION.

      INTERFACES if_oo_adt_classrun .
    PROTECTED SECTION.
    PRIVATE SECTION.
  ENDCLASS.



  CLASS zcl_zpa001_gen_data01 IMPLEMENTATION.


  METHOD if_oo_adt_classrun~main.
    DATA: ls_ZPA0001_table TYPE zpa0001. " Replace zyour_table_name with your actual table name

      " Insert first record
      ls_ZPA0001_table-doj = '19801002'.
      ls_zpa0001_table-positionid    = 20.
      ls_zpa0001_table-perid   = '8999'.
      ls_zpa0001_table-position_d = 'Developer'.
      INSERT zpa0001 FROM @ls_zpa0001_table.
      IF sy-subrc = 0.
        out->write( 'Record 1 inserted successfully.' ).
      ELSE.
        out->write( 'Error inserting record 1.' ).
        MODIFY zpa0001 FROM @ls_zpa0001_table.
        IF sy-subrc = 0.
```

```abap
        out->write( 'Record 1 updated successfully.' ).
      ELSE.
        out->write( 'Error updating record 1.' ).
      ENDIF.

    ENDIF.


" Insert first record
    ls_ZPA0001_table-doj = '19811002'.
    ls_zpa0001_table-positionid   = 21.
    ls_zpa0001_table-perid  = '8990'.
    ls_zpa0001_table-position_d = 'Manager'.
    MODIFY zpa0001 FROM @ls_zpa0001_table.
    IF sy-subrc = 0.
      out->write( 'Record 1 inserted successfully.' ).
    ELSE.
      out->write( 'Error inserting record 1.' ).
    ENDIF.



    " You can also use a loop with an internal table for multiple entries
    DATA: lt_your_table TYPE STANDARD TABLE OF zpa0001.

    DATA(ls_data) = VALUE zpa0001( doj = '19781023' perid = '8991' positionid = '22' position_d = 'Cross M' ).
    APPEND ls_data TO lt_your_table.

    ls_data = VALUE zpa0001( doj = '19891024' perid = '8992' positionid = '23' position_d = 'Senior Developer' ).
    APPEND ls_data TO lt_your_table.

    MODIFY zpa0001 FROM TABLE @lt_your_table.
    IF sy-subrc = 0.
      out->write( 'Multiple records inserted successfully.' ).
    ELSE.
      out->write( 'Error inserting multiple records.' ).
    ENDIF.

  ENDMETHOD.
ENDCLASS.
```

```abap
    ls_ZPA0001_table-doj = '19811002'.
```