**LIT TRAINING**

**Batch Name - SAP ABAP - 25                                                            DAY 14 ASSIGNMENT**

**EMPLOYEE ID – 46247689**

**CDS-Assignment 1 – Create a Simple CDS view with Date Functions in ABAP CDS Views**

**Tables involved – VBAK**

**@AbapCatalog.sqlViewName: 'ZYNY\_SQL\_VIEW'**

**@AbapCatalog.compiler.compareFilter: true**

**@AbapCatalog.preserveKey: true**

**@AccessControl.authorizationCheck: #NOT\_REQUIRED**

**@EndUserText.label: 'CDS VIEW WITH DATE FUNCTIONS'**

**define view ZYNY\_CDS\_VIEW as select from vbak {**

**vbeln as Sales\_Document,**

**auart as Sales\_Document\_Type,**

**audat as Document\_Date,**

**vdatu as Requested\_delivery\_date,**

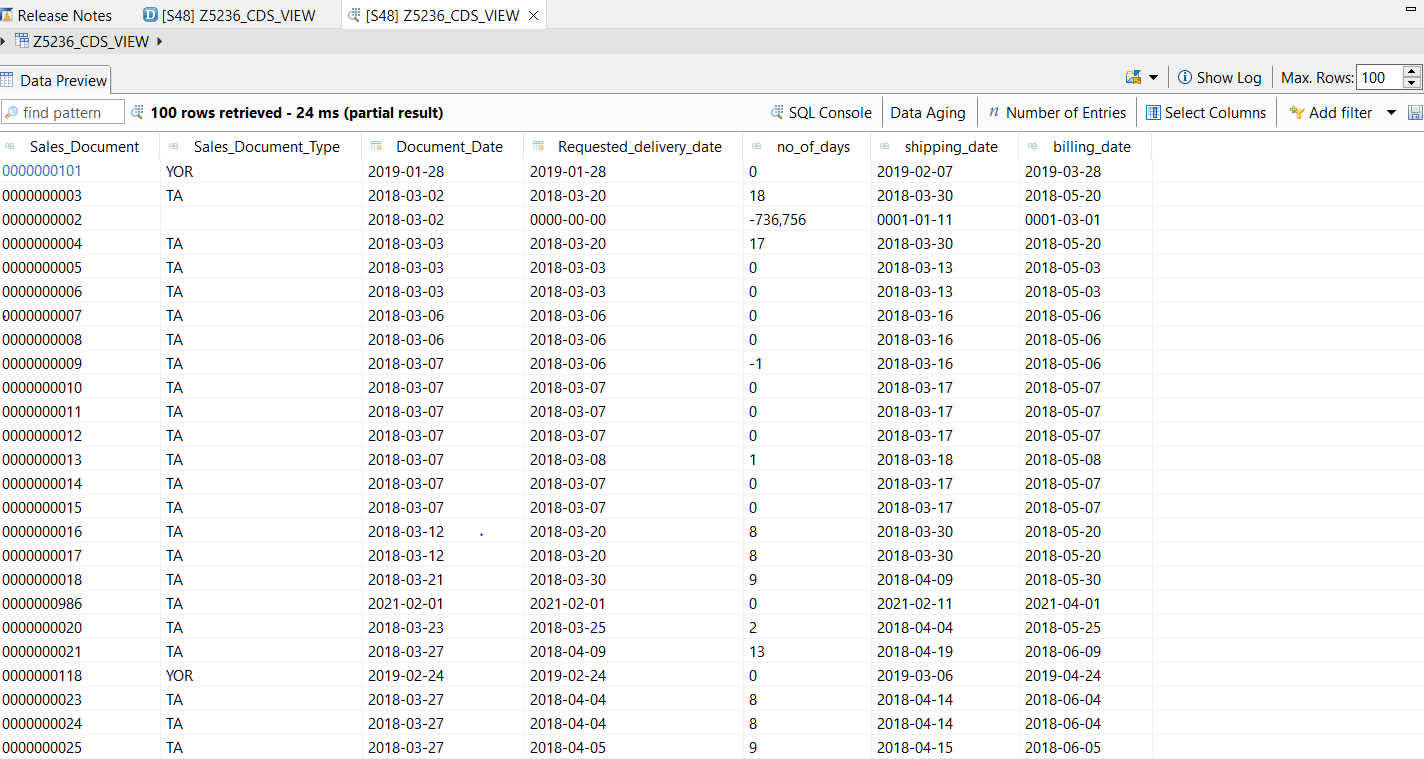
**DATS\_DAYS\_BETWEEN(audat, vdatu) as no\_of\_days,**

**DATS\_ADD\_DAYS(vdatu, 10, 'NULL') as shipping\_date,**

**DATS\_ADD\_MONTHS(vdatu, 2, 'NULL') as billing\_date**

**}**

**OUTPUT:**

****

**CDS-Assignment 2 – Create a Simple CDS view with String Functions in ABAP CDS Views**

**@AbapCatalog.sqlViewName: 'ZYNY\_STR\_FN\_VIEW'**

**@AbapCatalog.compiler.compareFilter: true**

**@AbapCatalog.preserveKey: true**

**@AccessControl.authorizationCheck: #NOT\_REQUIRED**

**@EndUserText.label: 'CDS view with String Functions'**

**define view ZYNY\_CDSVIEW\_STRING\_FN as select from kna1 {**

**kunnr as Customer\_Number,**

**land1 as Country\_Key,**

**concat(kna1.name1 , kna1.name2) as concat\_fields,**

**concat\_with\_space(stras,ort01,2) as con\_space ,**

**left(name1,2) as no\_of\_char\_left,**

**right(kna1.name1,3) as no\_of\_char\_right,**

**length(telf1) as no\_of\_char,**

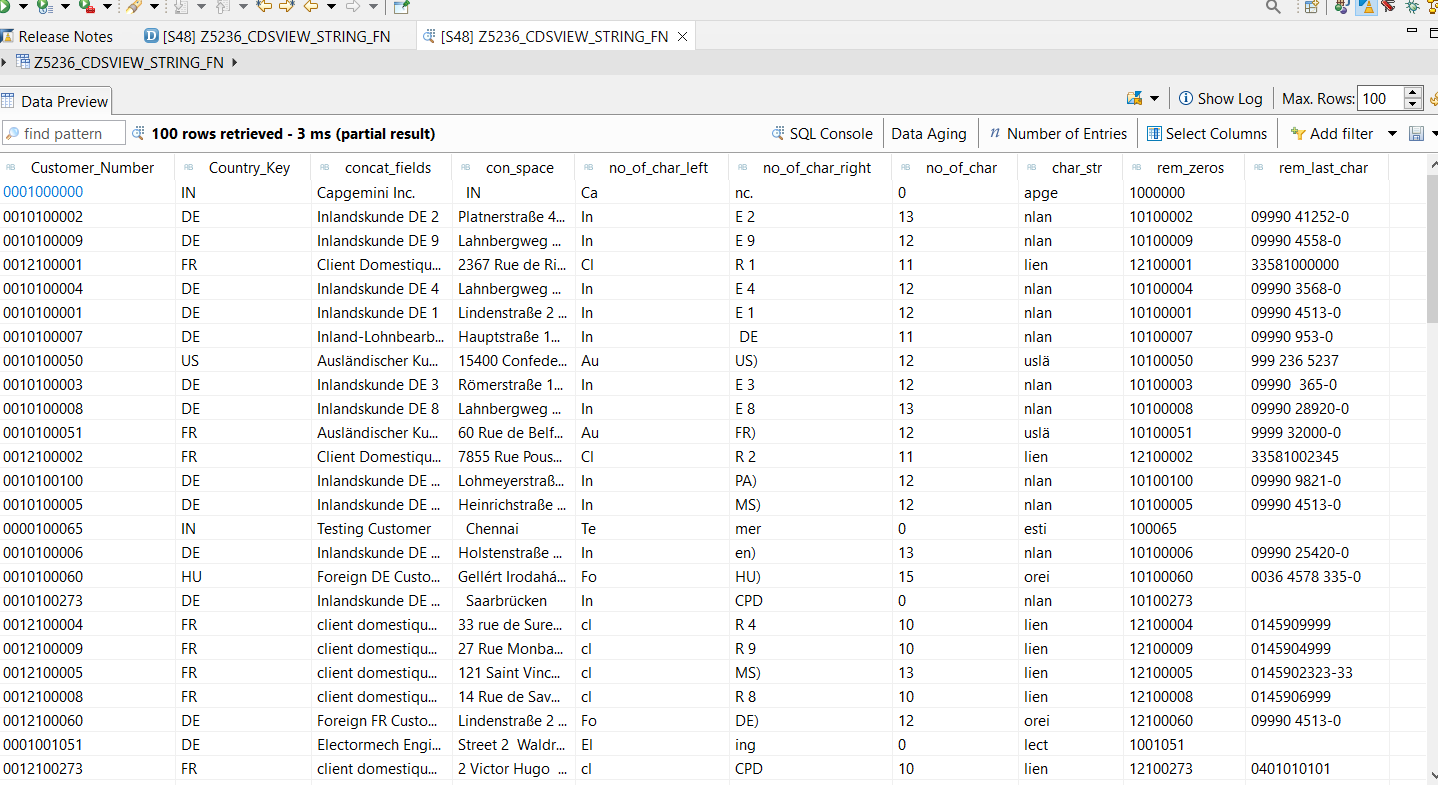
**substring(name1,2,4) as char\_str,**

**ltrim(kunnr, '0') as rem\_zeros,**

**rtrim(telf1,'4') as rem\_last\_char**

**}**

**OUTPUT:**

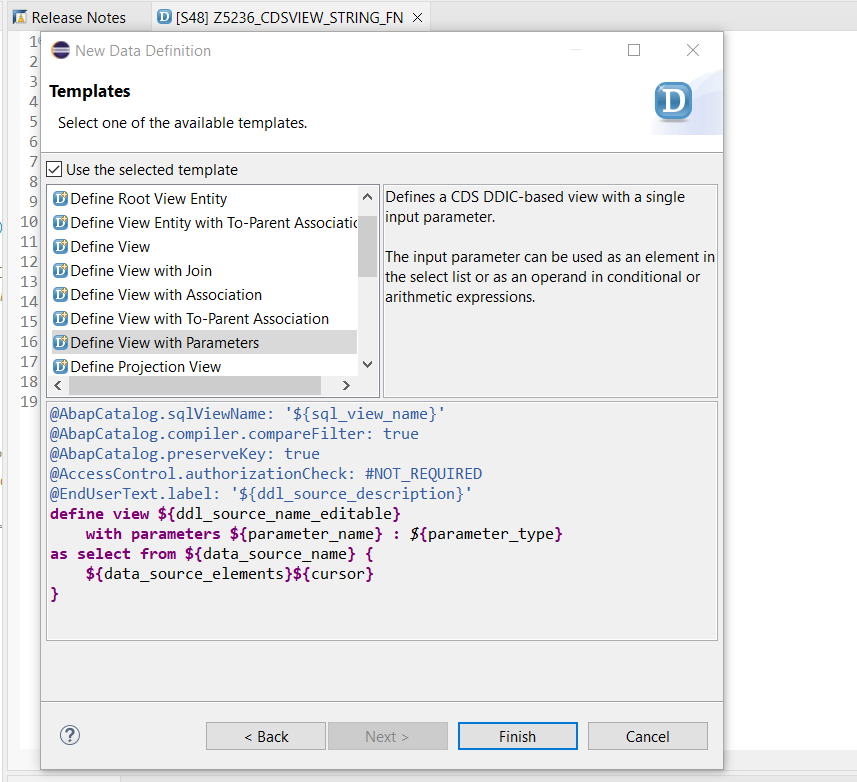
****

**CDS-Assignment 3 – Create a Simple CDS view with Parameters**

**Scenario –**

* **Create a CDS view with GL currency (PSWSL) as parameter and get the entries form BSEG**

**Tables involved – BSEG**

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**@AbapCatalog.sqlViewName: 'ZYNY\_SQL\_VIEW1'**

**@AbapCatalog.compiler.compareFilter: true**

**@AbapCatalog.preserveKey: true**

**@AccessControl.authorizationCheck: #NOT\_REQUIRED**

**@EndUserText.label: 'CDS view with Parameters'**

**define view ZYNY\_CDSVIEW\_PARA**

**with parameters in\_curr : *abap*.*cuky*(5)**

**as select from bseg{**

**bukrs,**

**belnr,**

**gjahr,**

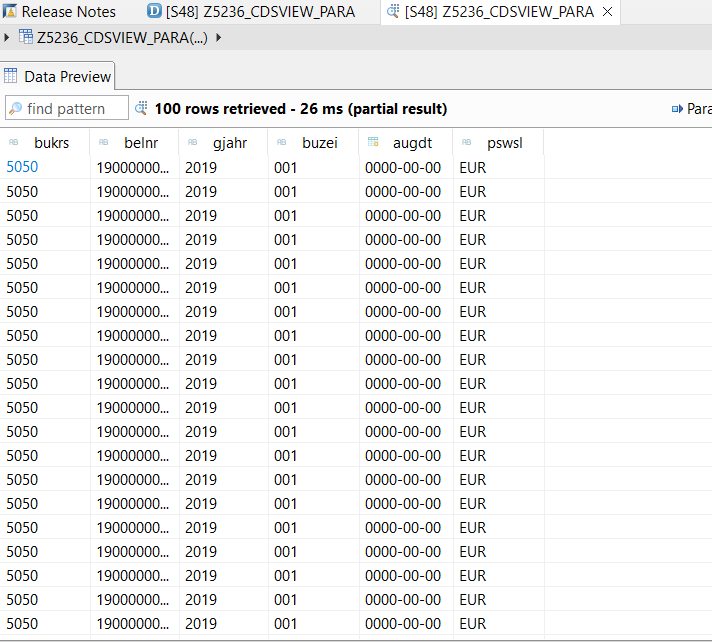
**buzei,**

**augdt,**

**pswsl**

**}where pswsl = $parameters.in\_curr**

**output:**

****

**AMDP-Assignment 1 – Procedures - create a basic procedure to fetch data with scalar variable**

**Scenario –**

* **Print Sales Order number, Material Number, Quantity from VBAP table using scaler variable**

**Tables involved – VBAP**

**CLASS zYNY\_amdp\_scal DEFINITION**

**PUBLIC**

**FINAL**

**CREATE PUBLIC .**

**PUBLIC SECTION.**

**INTERFACES :IF\_AMDP\_MARKER\_HDB.**

**METHODS: get\_vbap\_data**

**EXPORTING VALUE(lt\_VBAP) TYPE ZYNYTTSTU\_VBAP.**

**PROTECTED SECTION.**

**PRIVATE SECTION.**

**ENDCLASS.**

**CLASS zYNY\_amdp\_scal IMPLEMENTATION.**

**METHOD get\_vbap\_data BY DATABASE PROCEDURE FOR HDB LANGUAGE**

**SQLSCRIPT OPTIONS READ-ONLY**

**USING VBAP.**

**lt\_vbap = select vbeln,matnr,ZMENG from vbap;**

**endmethod.**

**ENDCLASS.**

**REPORT:**

**REPORT zYNY\_amdp.**

**zYNY\_amdp\_scal=>get\_vbap\_data( IMPORTING lt\_vbap = DATA(ex\_data) ).**

**TRY.**

**CALL METHOD cl\_salv\_table=>factory**

**IMPORTING**

**r\_salv\_table = DATA(lr\_salv)**

**changing**

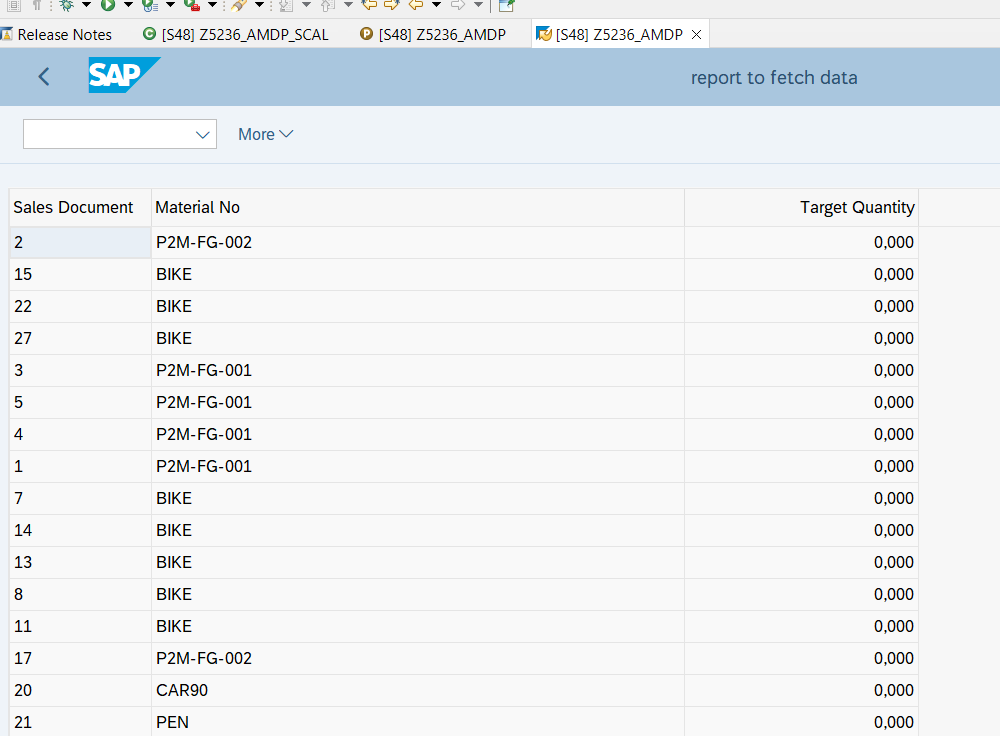
**t\_table = ex\_data.**

**CATCH cx\_salv\_msg.**

**ENDTRY.**

**lr\_salv->display( ).**

**OUTPUT:**

****

**AMDP-Assignment 2 – Procedures - create a basic procedure with Table**

**Scenario –**

* **Select VBELN, VKORG, MATNR, MENGE from VBAK and VBAP and display the data using table based on material (MATNR).**
* **MATNR will be input field**
* **Do inner join**

**Tables involved – VBAK, VBAP**

**CLASS zYNY\_amdp\_join DEFINITION**

**PUBLIC**

**FINAL**

**CREATE PUBLIC .**

**PUBLIC SECTION.**

**INTERFACES : IF\_AMDP\_MARKER\_HDB.**

**CLASS-METHODS:GET\_DATA**

**IMPORTING VALUE(IM\_MATNR) TYPE VBAP-MATNR**

**EXPORTING VALUE(ET\_RES) TYPE ZYNYTTSRU\_IN.**

**PROTECTED SECTION.**

**PRIVATE SECTION.**

**ENDCLASS.**

**CLASS zYNY\_amdp\_join IMPLEMENTATION.**

**METHOD get\_data BY DATABASE PROCEDURE FOR HDB LANGUAGE**

**SQLSCRIPT OPTIONS READ-ONLY**

**USING VBAP VBAK.**

**ET\_RES = SELECT A.VBELN,**

**A.VKORG,**

**B.MATNR,**

**B.ZMENG**

**FROM VBAK AS A**

**INNER JOIN VBAP AS B**

**ON A.VBELN = B.VBELN;**

**ENDMETHOD.**

**ENDCLASS.**

**REPORT:**

**REPORT zYNY\_amdp\_join.**

**PARAMETERS: S\_MATNR TYPE VBAP-MATNR.**

**zYNY\_amdp\_join=>get\_data( EXPORTING IM\_MATNR = S\_MATNR**

**IMPORTING ET\_RES = DATA(EX\_RES) ).**

**TRY.**

**CALL METHOD cl\_salv\_table=>factory**

**IMPORTING**

**r\_salv\_table = DATA(lr\_salv)**

**changing**

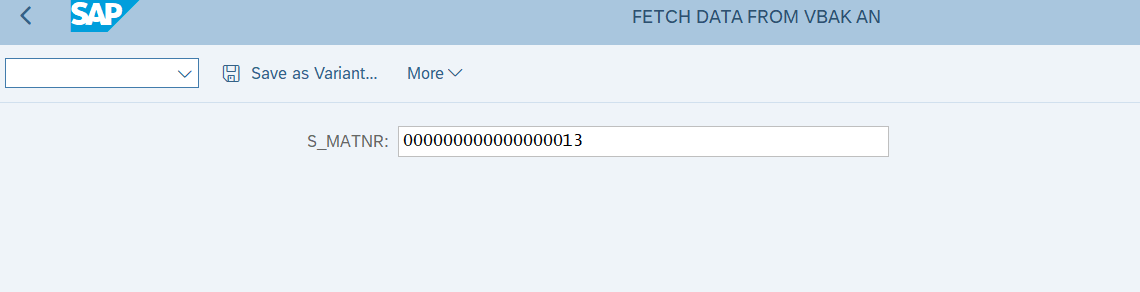
**t\_table = ex\_res.**

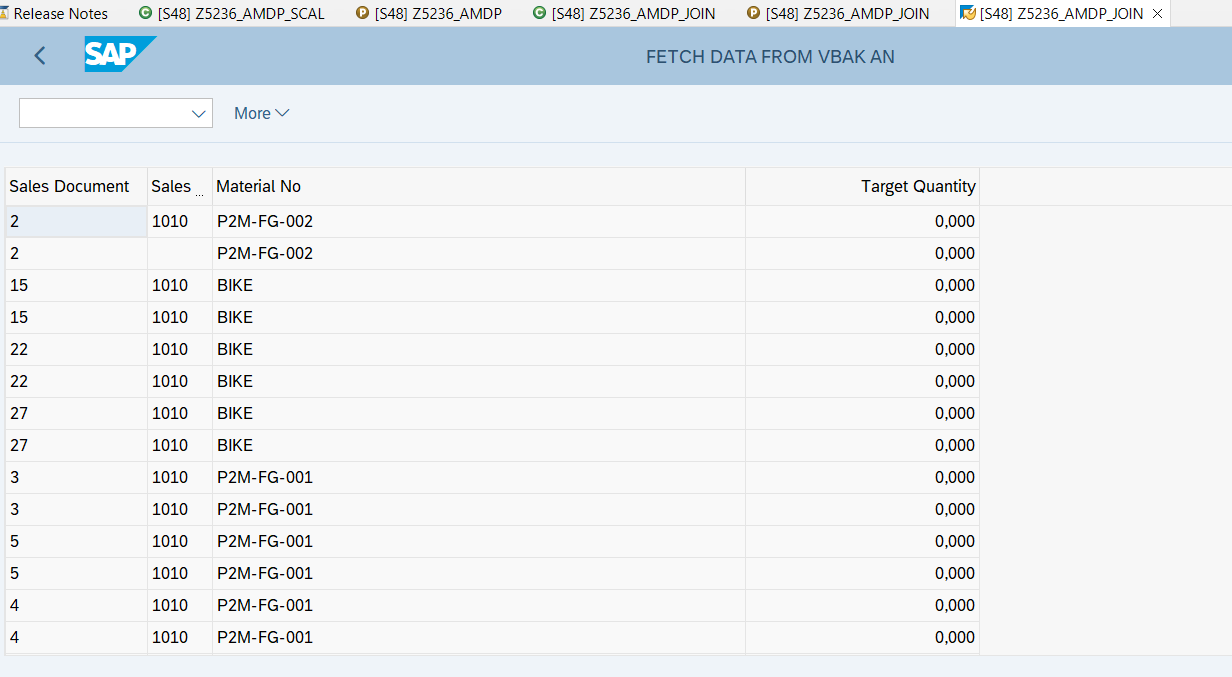
**CATCH cx\_salv\_msg.**

**ENDTRY.**

**lr\_salv->display( ).**

**OUTPUT:**

****

****