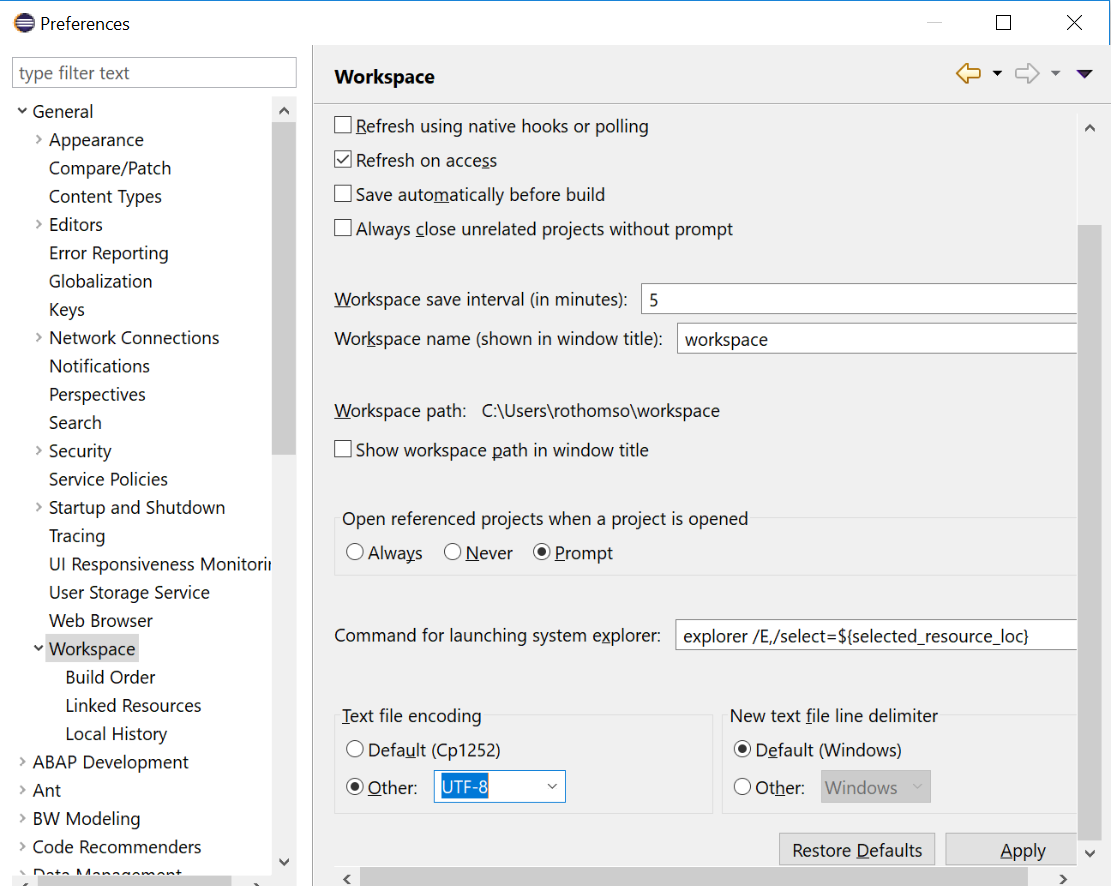
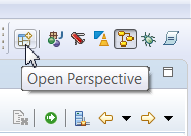
Create Procedures.

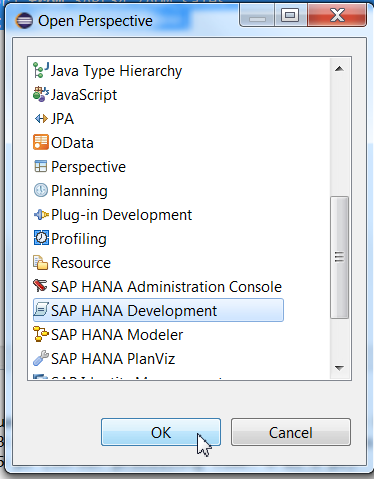
Pre-requisite is to do UTF setting

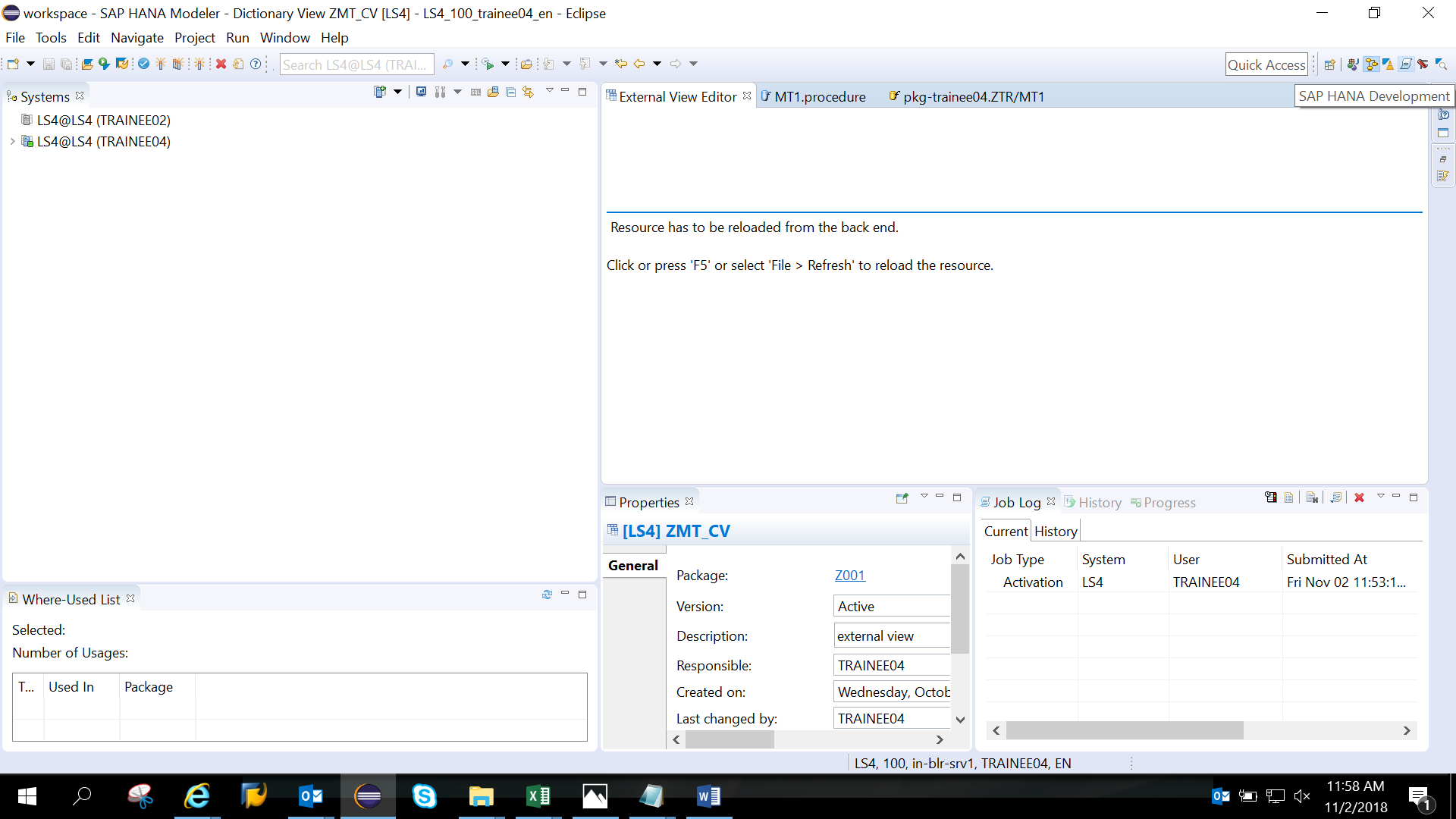
Windows-preference-general-workspace-Text file Encoding-other-utf-8



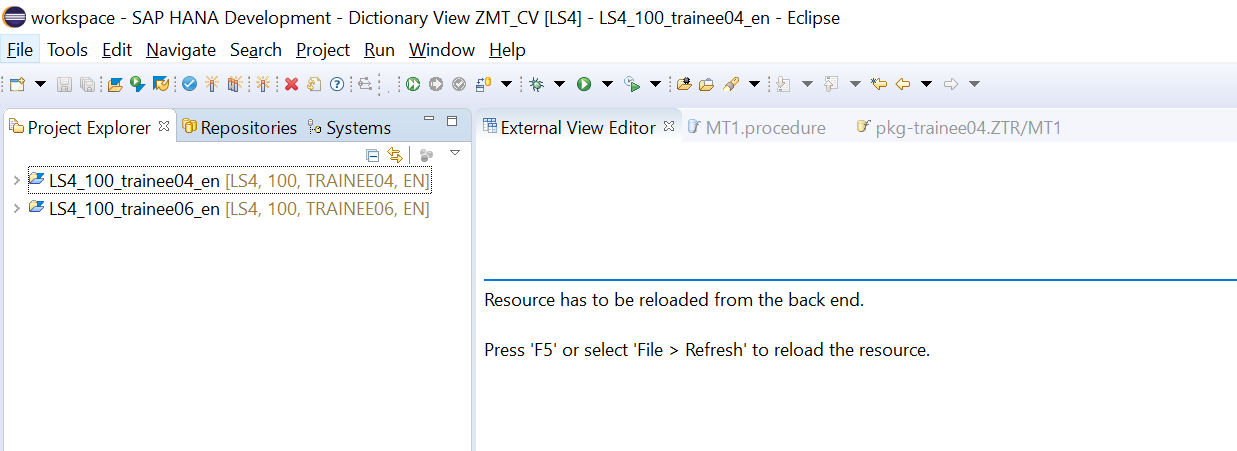
1. Open HANA Development perspective.



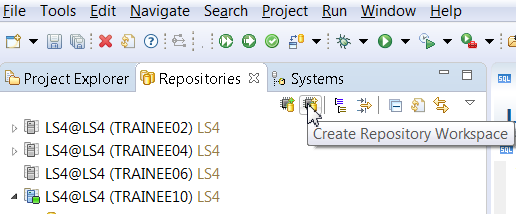




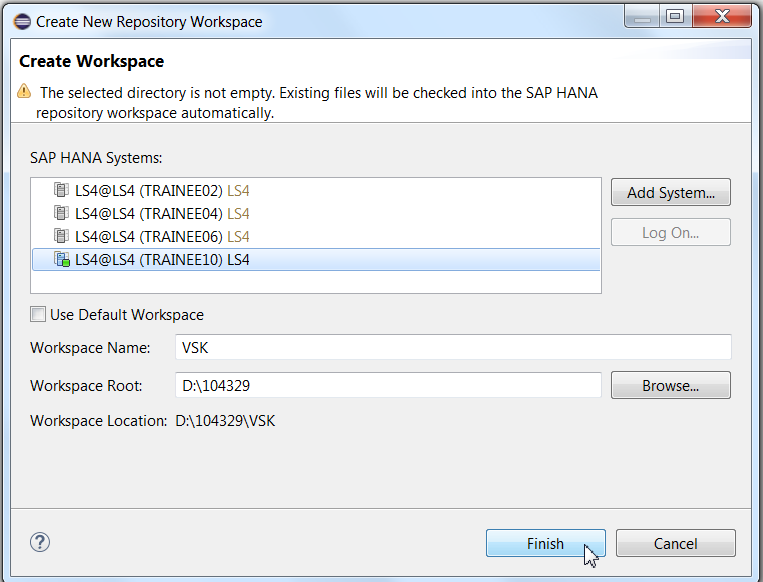
2)Below screen appears



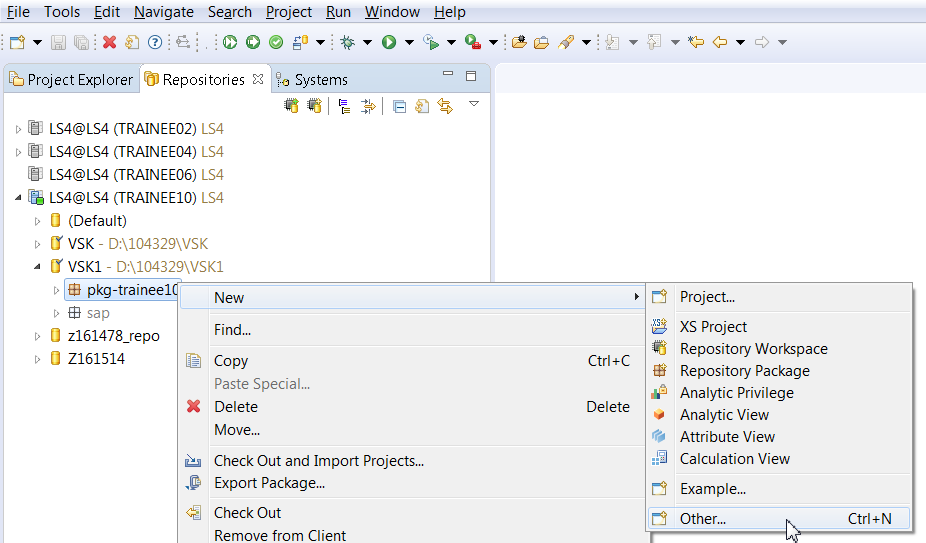
1. In Repository tab click on create repository workspace.



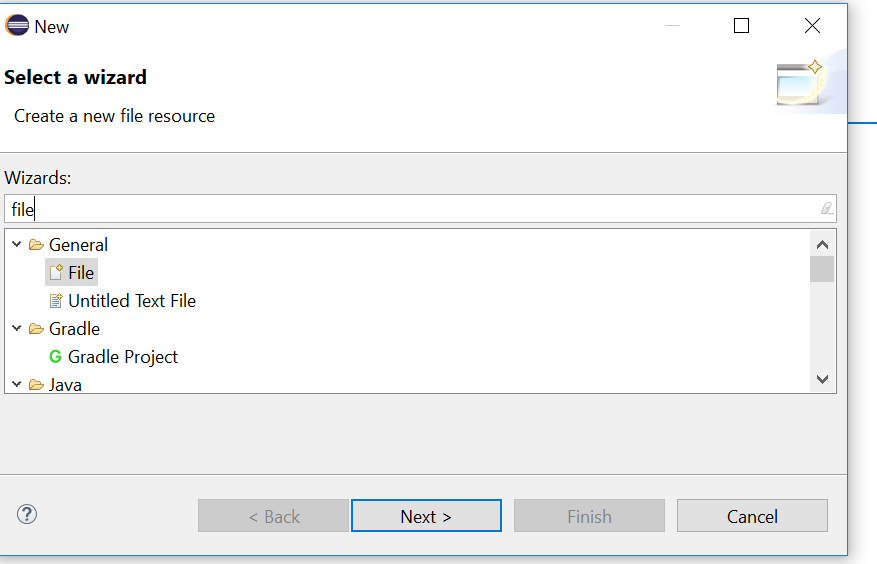
3) Uncheck default and give details



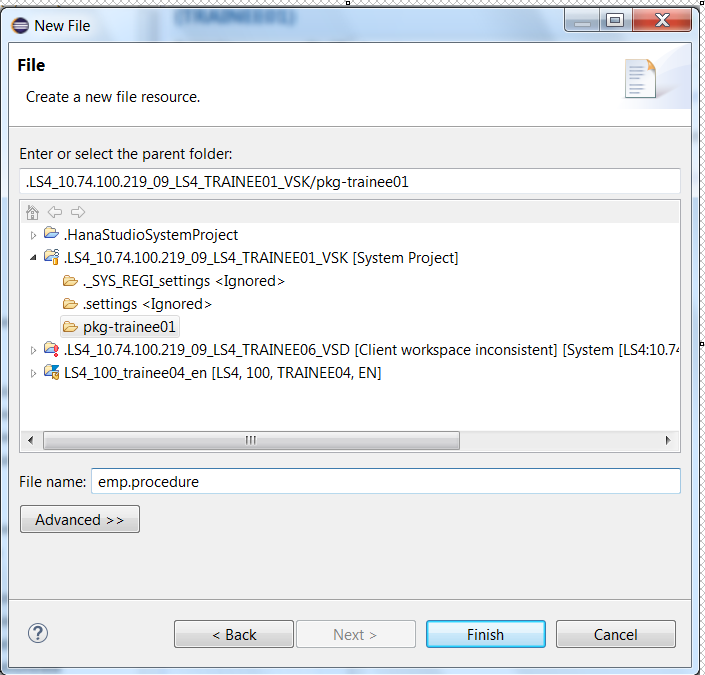
5) Right click on package as shown



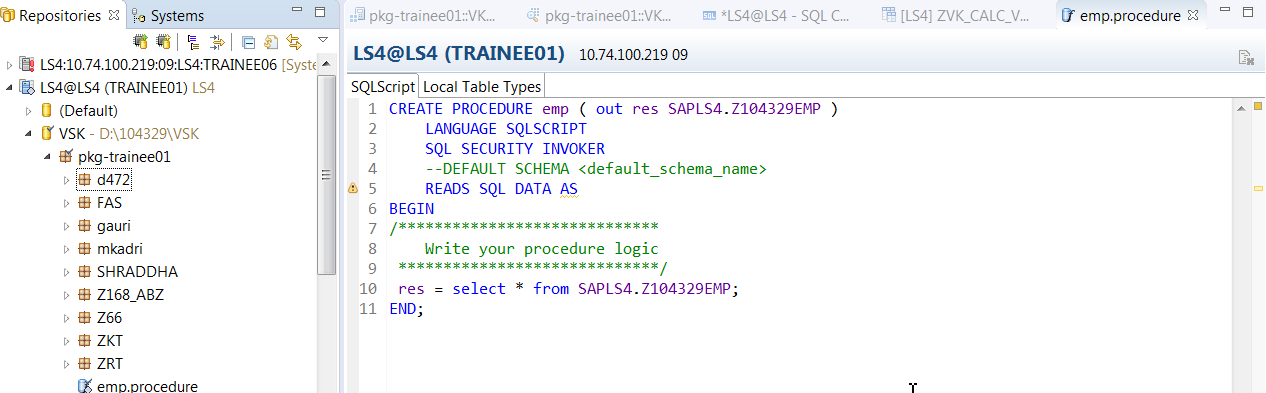
6) Search file



7)



8)Edit the template of procedure as shown



CREATE PROCEDURE emp ( out res SAPLS4.Z104329EMP )

LANGUAGE SQLSCRIPT

SQL SECURITY INVOKER

--DEFAULT SCHEMA <default\_schema\_name>

READS SQL DATA AS

BEGIN

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Write your procedure logic

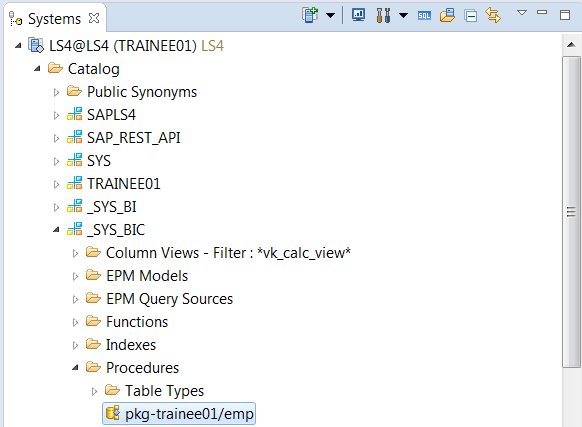
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

res = select \* from SAPLS4.Z104329EMP;

END;

8)Right click on procedure - check - Activate it

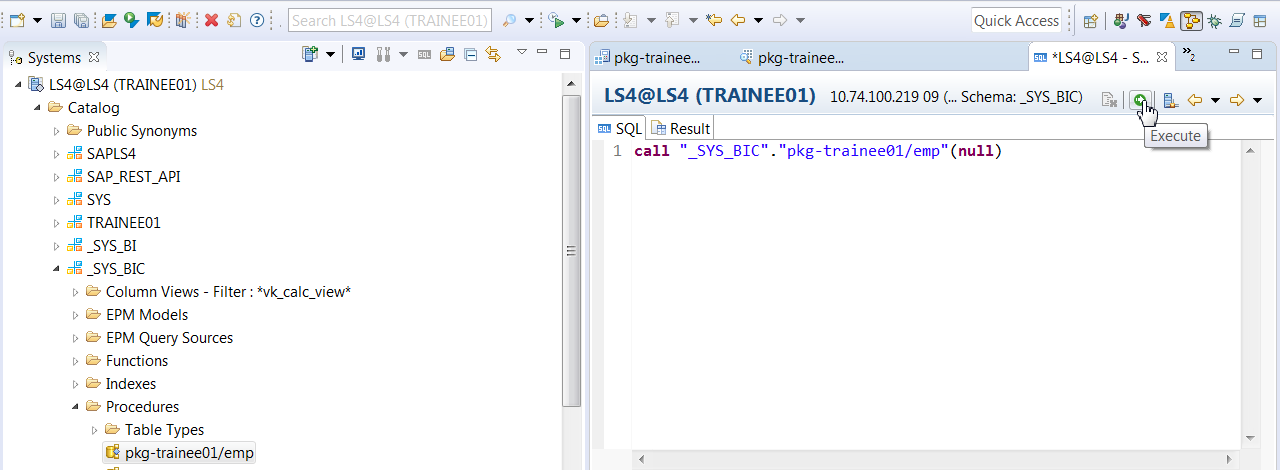
9) In Modeler perspective- go to below path and search your procedure



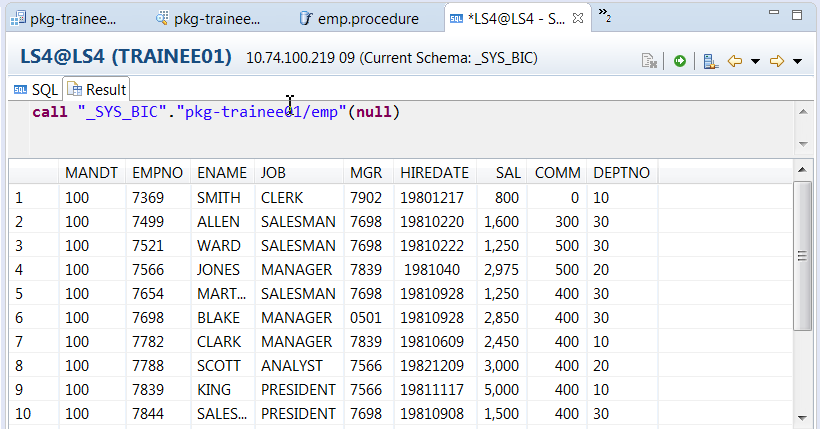
11) Open the SQL editor and drag and drop the procedure to the SQL editor

12) Call the procedure by writing call statement. Execute.

**CALL** "\_SYS\_BIC"."pkg-trainee01/vkemp"(**NULL**)



13) View the output.



14) To consume this procedure from ABAP code, write ADBC program and replace v\_Sql with below code

V\_SQL =  | CALL "\_SYS\_BIC"."pkg-trainee01/emp"(**null**);| .

**ADBC CODE**

REPORT Z.  
  
DATA : WA\_emp TYPE Z104329EMP,  
       IT\_emp TYPE TABLE OF Z104329EMP.  
  
DATA: O\_CONN   TYPE REF TO CL\_SQL\_CONNECTION,  
      O\_SQL    TYPE REF TO CL\_SQL\_STATEMENT,  
      O\_RESULT TYPE REF TO CL\_SQL\_RESULT\_SET,  
      V\_SQL    TYPE STRING,  
      O\_DATA   TYPE REF TO DATA.  
  
*\*TRY.*  
*\*Connect to the respective DB according connection*  
CALL METHOD CL\_SQL\_CONNECTION=>GET\_CONNECTION  
*\*  EXPORTING*  
*\*    con\_name = 'ADM\_HDB'*  
*\*    sharable = SPACE*  
  RECEIVING  
    CON\_REF = O\_CONN.  
*\* CATCH cx\_sql\_exception .*  
*\*ENDTRY.*  
  
CREATE OBJECT O\_SQL  
  EXPORTING  
    CON\_REF = O\_CONN.  
  
V\_SQL =  | call *"\_SYS\_BIC"."pkg-trainee01/emp"(null ) | .*  
  
*\*TRY.*  
CALL METHOD O\_SQL->EXECUTE\_QUERY  
  EXPORTING  
    STATEMENT  = V\_SQL  
*\*   hold\_cursor = SPACE*  
  RECEIVING  
    RESULT\_SET = O\_RESULT.  
*\* CATCH cx\_sql\_exception .*  
*\* CATCH cx\_parameter\_invalid .*  
*\*ENDTRY.*  
  
GET REFERENCE OF IT\_emp INTO O\_DATA.  
*\*TRY.*  
CALL METHOD O\_RESULT->SET\_PARAM\_TABLE  
  EXPORTING  
    ITAB\_REF = O\_DATA  
*\*   corresponding\_fields =*  
*\*   lob\_fields           =*  
  .  
*\* CATCH cx\_parameter\_invalid .*  
*\*ENDTRY.*  
  
DATA V\_COUNT TYPE I.  
*\*Data Records into internal table*  
*\*TRY.*  
CALL METHOD O\_RESULT->NEXT\_PACKAGE  
*\*  EXPORTING*  
*\*    upto     = 0*  
  RECEIVING  
    ROWS\_RET = V\_COUNT.  
*\* CATCH cx\_sql\_exception .*  
*\* CATCH cx\_parameter\_invalid\_type .*  
*\*ENDTRY.*  
  
CL\_DEMO\_OUTPUT=>DISPLAY( IT\_emp ).