Table Function in CDS
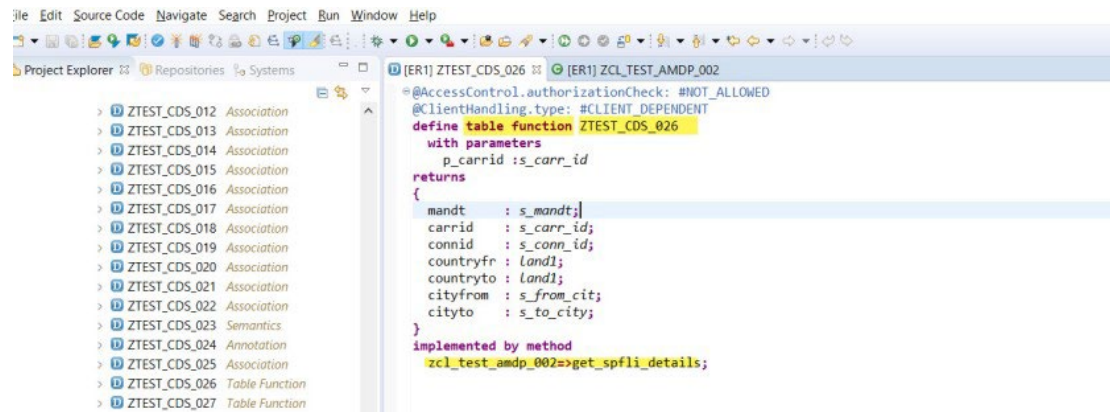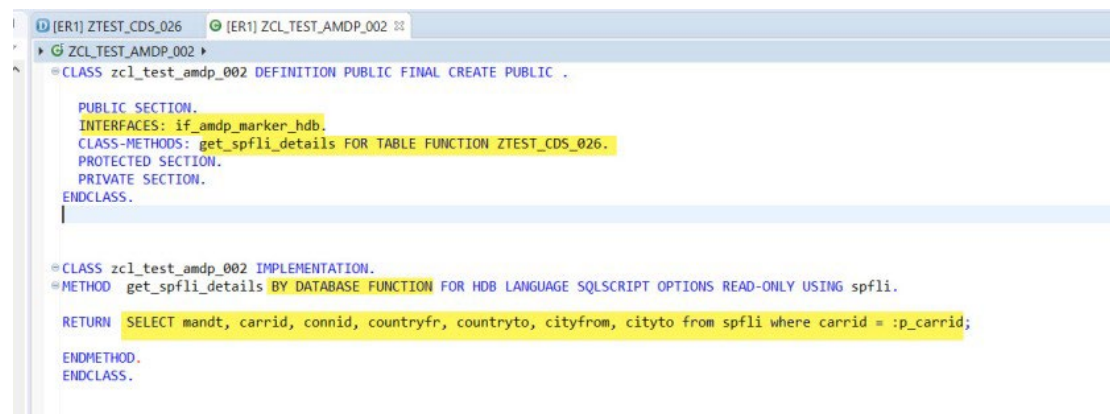

A table function can be created with syntax- DEFINE TABLE FUNCTION [table func name] and set of input parameters and return fields can be mentioned with data types and a class >method name must be maintained which is responsible for the actual implementation.

The table function implementation class method.

The method declaration must specify – [for table function NAME] and the sample method implementation .

Once the table function and the implemented method is activated, a direct select query can be made on the table function.

Pattern   Pretty Printer   Text Elements

Report   ZTEST_CDS_TF   Active

```
 1    REPORT ztest_cds_tf.
 2    CLASS zcl_test_tf DEFINITION.
 3      PUBLIC SECTION.
 4        CLASS-METHODS: test.
 5    ENDCLASS.
 6
 7    CLASS zcl_test_tf IMPLEMENTATION.
 8      METHOD test.
 9        IF NOT cl_abap_dbfeatures=>use_features(
10                requested_features = VALUE #( ( cl_abap_dbfeatures=>call_amdp_method )
11                                             ( cl_abap_dbfeatures=>amdp_table_function ) ) ).
12          RETURN.
13        ENDIF.
14
15        SELECT * FROM ztest_cds_026( p_carrid = 'LH' ) INTO TABLE @DATA(lt_result).
16        BREAK-POINT.
17      ENDMETHOD.
18    ENDCLASS.
19
20    START-OF-SELECTION.
21      zcl_test_tf=>test( ).
```

| ZTEST_CDS_TF | / ZTEST_CDS_TF | / 16 | SY-SUBRC | 0 |
| METHOD | / TEST (ZCL_TEST_TF) | | SY-TABIX | 0 |

Desktop 1   Desktop 2   Desktop 3   Standard   Structures   Tables   Objects   Detail   Data Explorer   Break./Watchpoints   Diff   Script

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21      zcl_test_tf=>test( ).
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Variables 1   Variables 2   Locals   Globals   Auto   Memory Analysis

St...	Variable	V...	Val.	C...	Hexadecimal Value
	LT_RESULT		[4x6(106)]Standard Table		

Desktop 1   Desktop 2   Desktop 3   Standard   Structures   Tables   Objects   Detail   Data Explorer   Break./Watchpoints   Diff   Sc

Tables   Table Contents

Table	LT_RESULT	
Attributes	Standard [4x6(106)]	
Insert Column		Columns ...

Row	CARRID [C(3)]	CONNID [N(4)]	COUNTRYFR [C(3)]	COUNTRYTO [C(3)]	CITYFROM [C(20)]	CITYTO [C(20)]
1	LH	0400	DE	US	FRANKFURT	NEW YORK
2	LH	0402	DE	US	FRANKFURT	NEW YORK
3	LH	2407	DE	DE	BERLIN	FRANKFURT
4	LH	0007				singapore