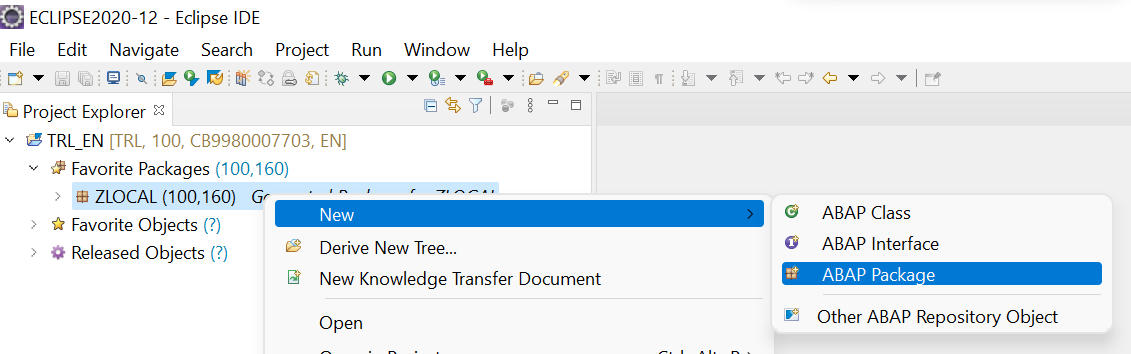
Working on ADT: (Hands On)

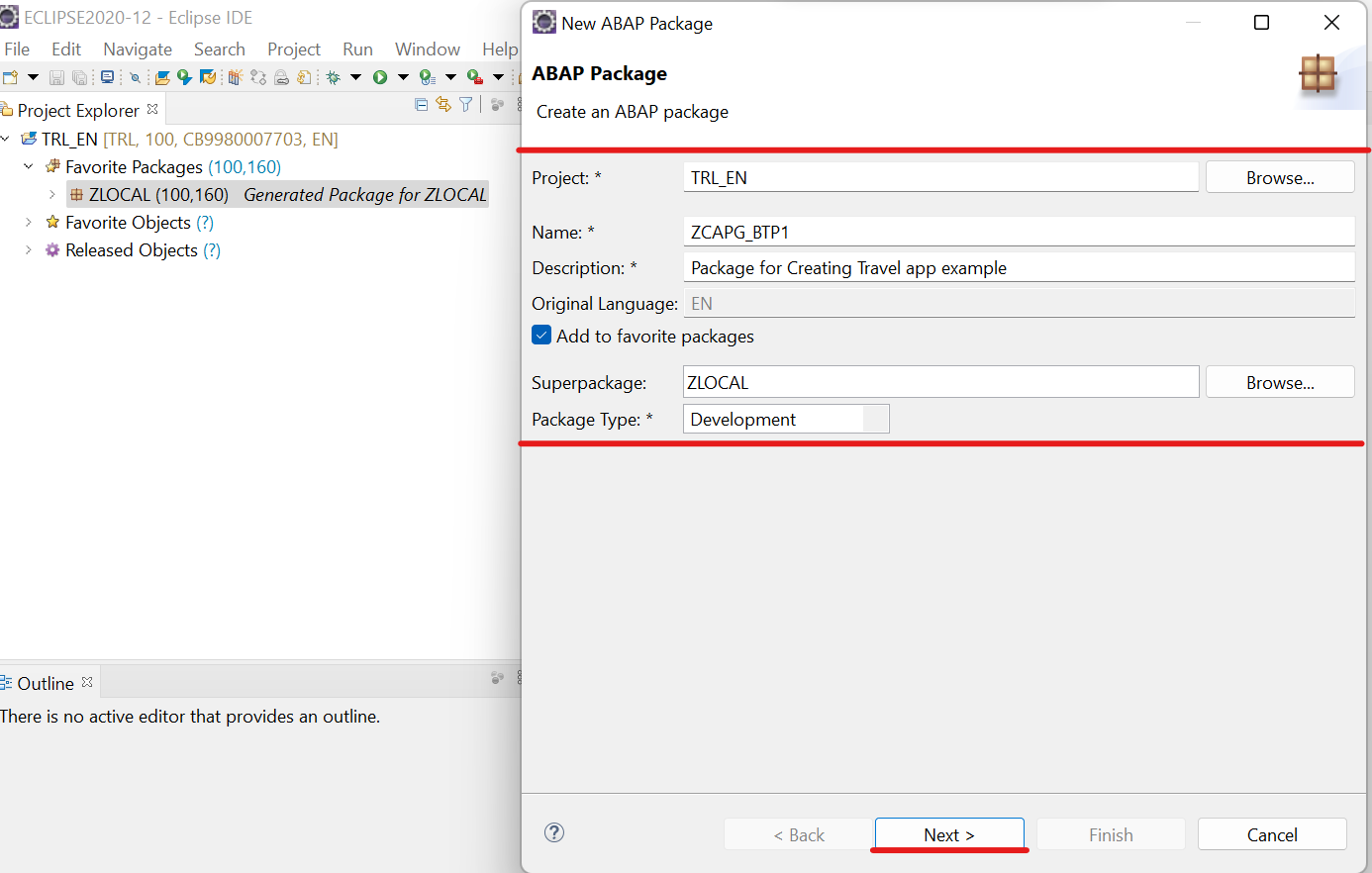
Create Table Persistence and Generate Data:

* **How to create an ABAP package**
* Open ABAP Development Tools (ADT) and select your ABAP Cloud Project you created in Create an SAP BTP ABAP Environment Trail user

Right-click on ZLOCAL and select New > ABAP Package.

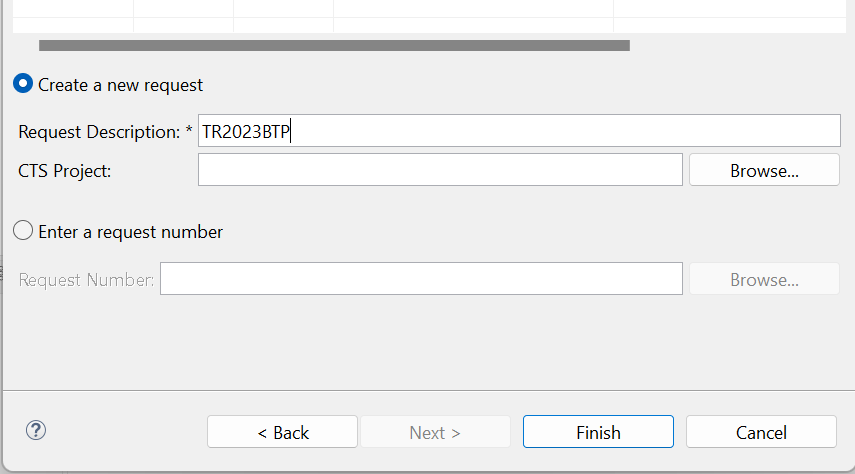


* Create a new ABAP package:
  + Name: ZCAPG\_BTP1
  + Description: Package for creating travel app example
  + Superpackage : ZLOCAL
  + Check Add to favorite packages.



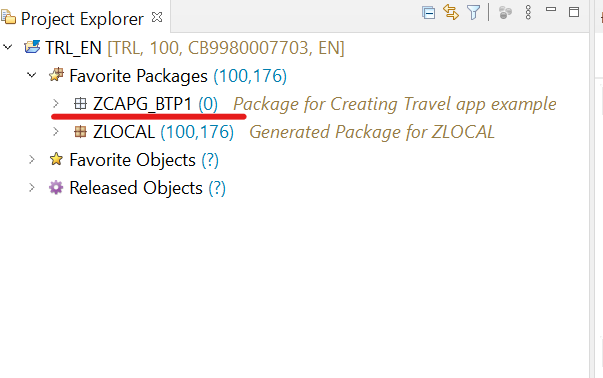
Click Next >.

* Select Create new request and enter a request description.

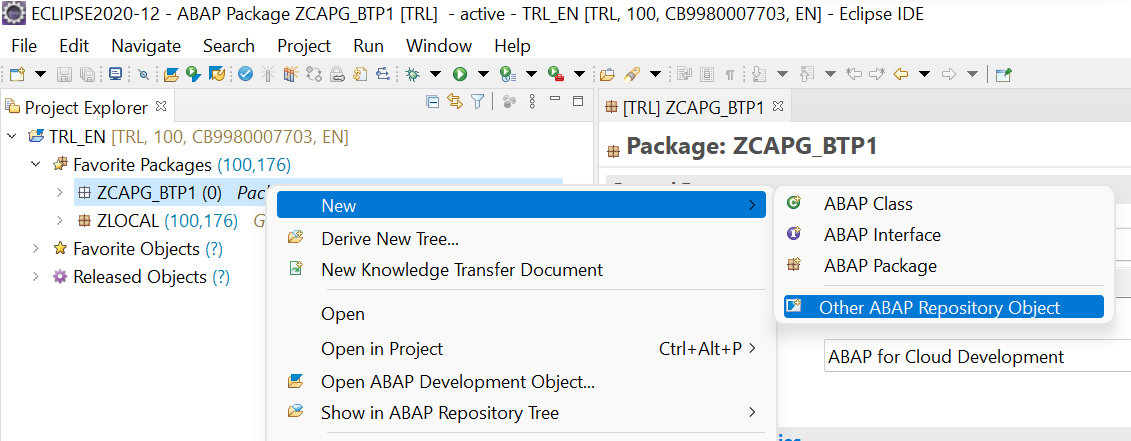


Click Finish.

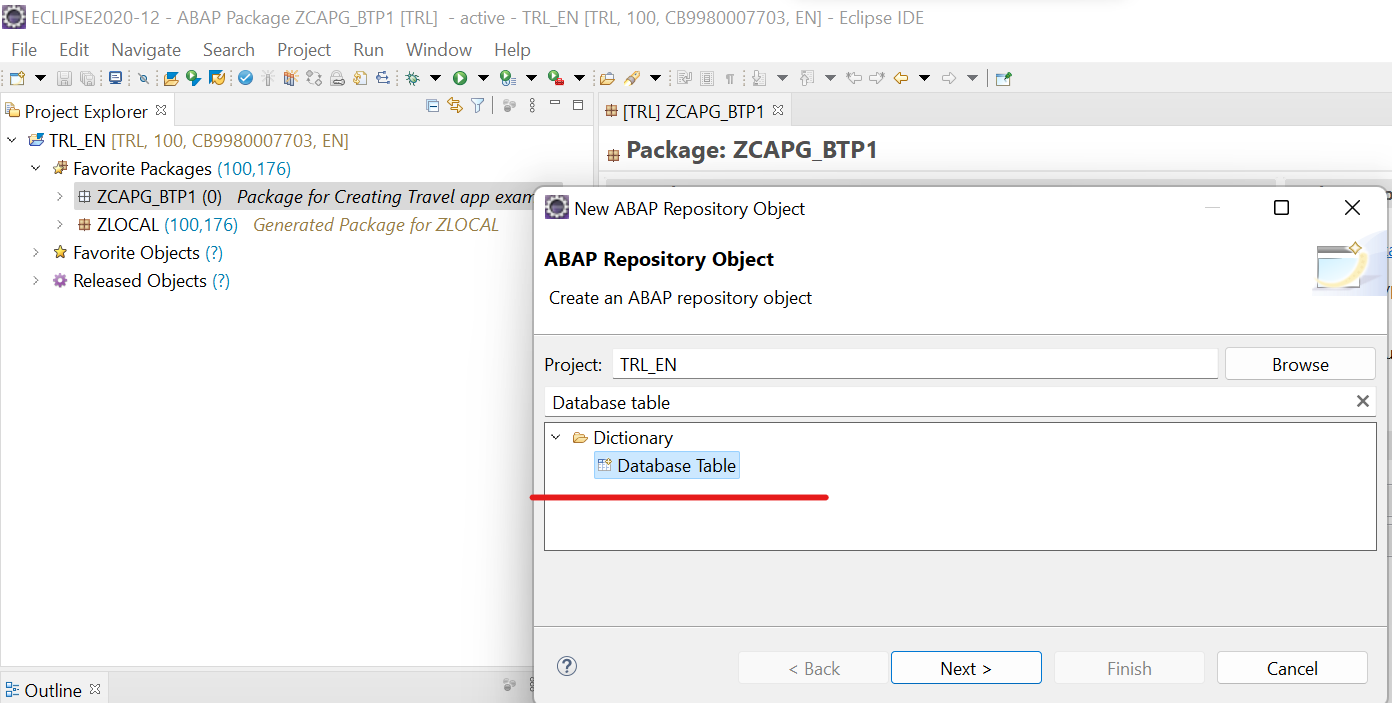
* Now your package is added to favorites objects.



* **How to create a Data Base Table:**
* Right-click on your package ZCAPG\_BTP1 select New > Other ABAP Repository Object.

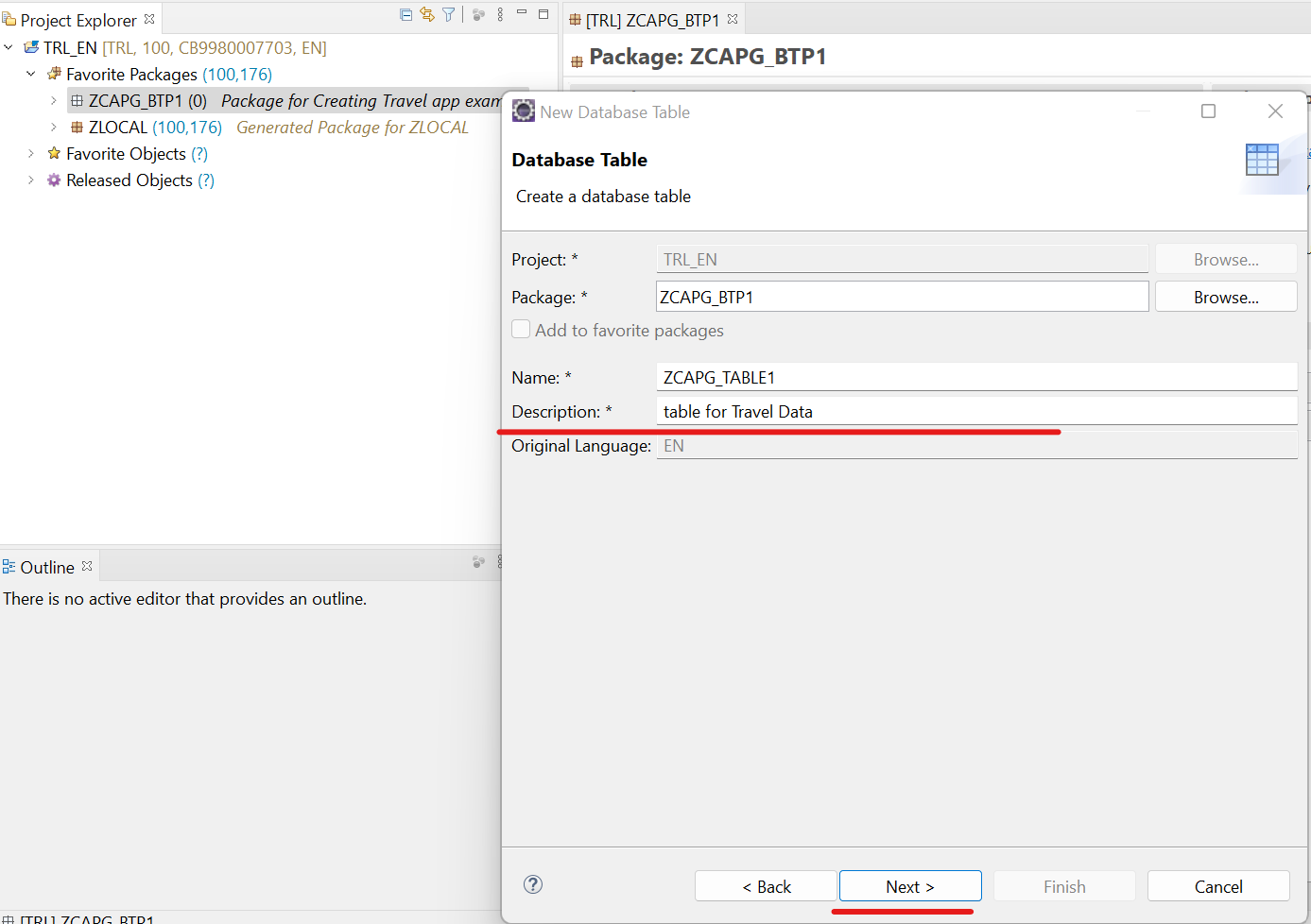


* Search for database table, select it and click Next >.

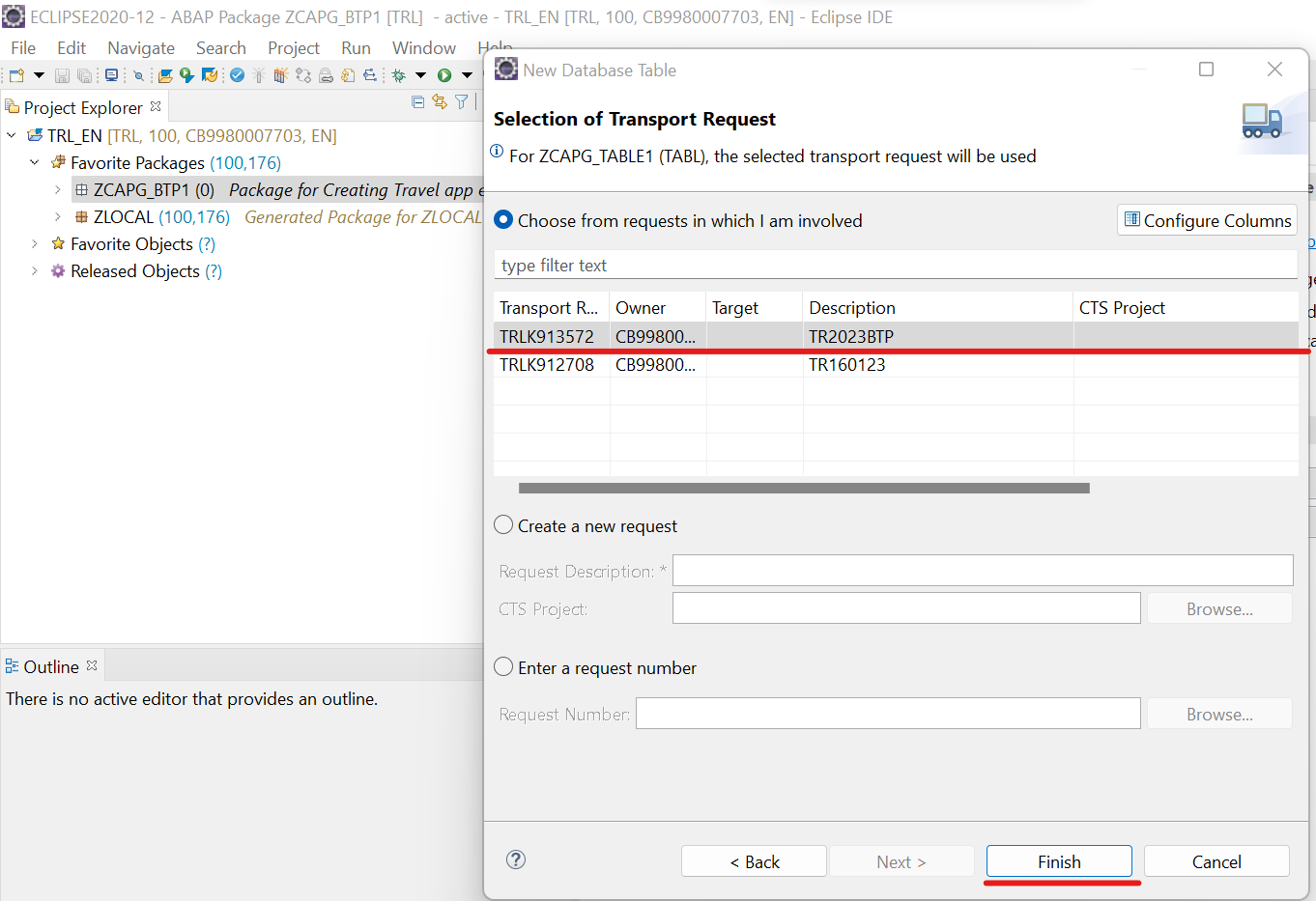


* Create a new database table:
  + Name: ZCAPG\_TABLE1
  + Description: Table for travel data

Click Next >.



* Click Finish to create your transport request.



* Write the code for creating a database table:

**define** **table** zcapg\_table1 **{**

**key** client **:** abap**.**clnt **not** **null;**

**key** mykey **:** sysuuid\_x16 **not** **null;**

travel\_id **:** /dmo/travel\_id**;**

agency\_id **:** /dmo/agency\_id**;**

customer\_id **:** /dmo/customer\_id**;**

begin\_date **:** /dmo/begin\_date**;**

end\_date **:** /dmo/end\_date**;**

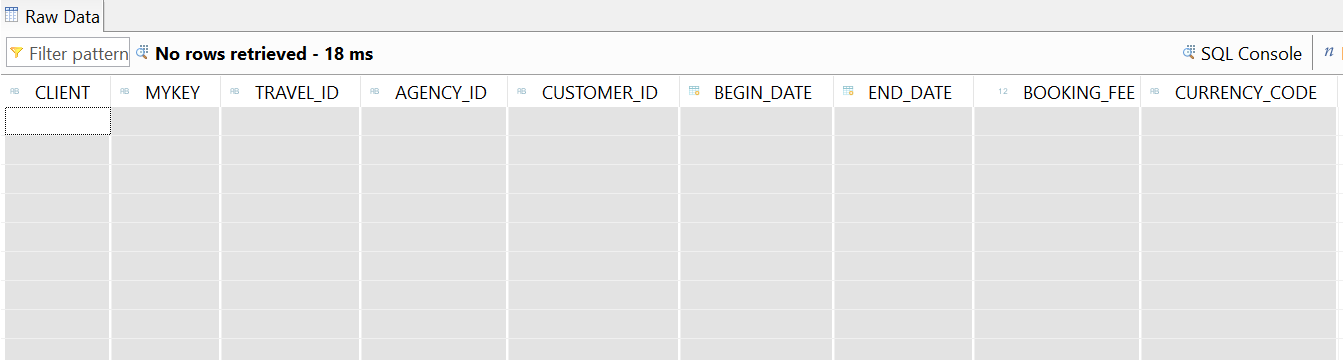
@Semantics.amount.currencyCode : 'zcapg\_table1.currency\_code'

booking\_fee **:** /dmo/booking\_fee**;**

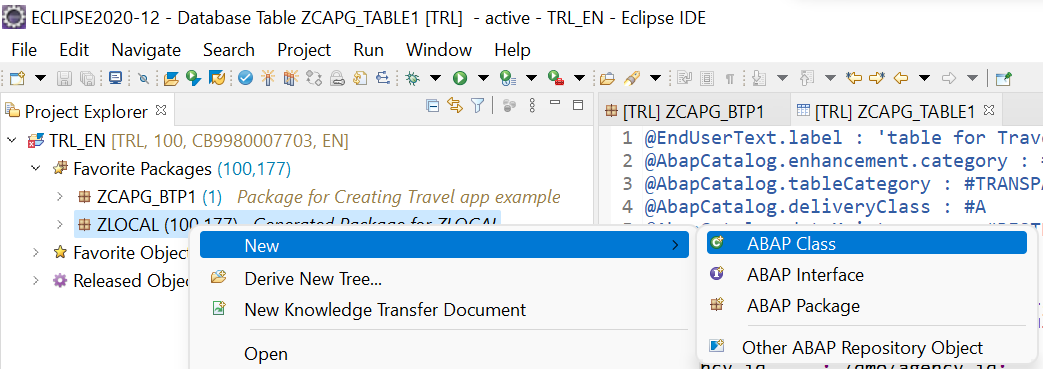
currency\_code **:** /dmo/currency\_code**;**

**}**

* Save and Activate.
* Execute (F8).

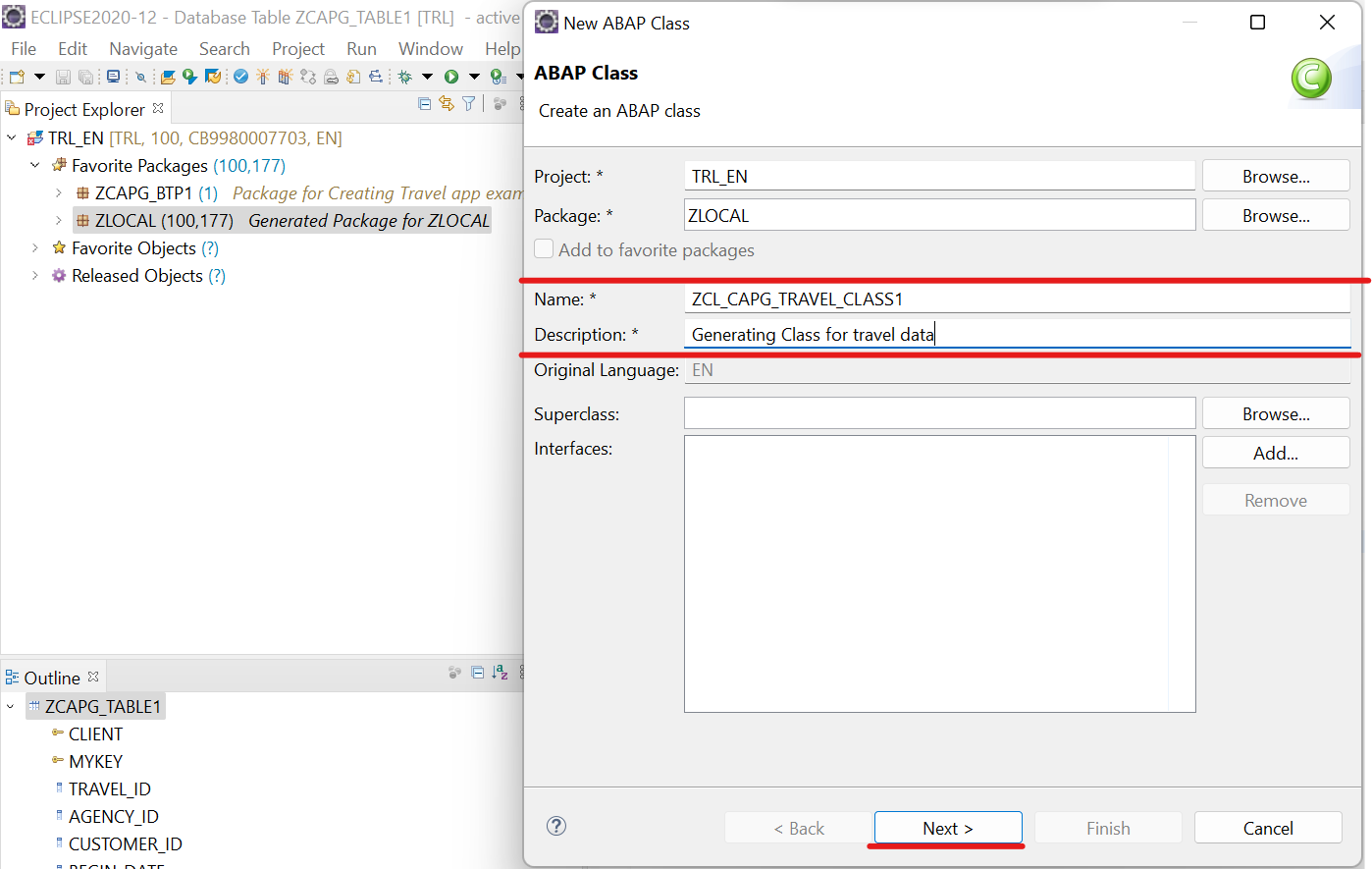


* Now the dictionary tables are defined. The dictionary tables are the basis of our travel booking data model.
* **How to create a ABAP Class:**
* Right-click on your package ZCAPG\_BTP1, select New > ABAP Class.



* Create a new ABAP class:
  + Name: ZCL\_CAPG\_TRAVEL\_CLASS1
  + Description: Generating Class for travel data

Click Next >.



* Click Finish to create your transport request.
* Write the code for generating a class for travel data:

CLASS zcl\_capg\_travel\_class1 DEFINITION

PUBLIC

FINAL

CREATE PUBLIC .

PUBLIC SECTION.

INTERFACES if\_oo\_adt\_classrun.

PROTECTED SECTION.

PRIVATE SECTION.

ENDCLASS.

CLASS zcl\_capg\_travel\_class1 IMPLEMENTATION.

METHOD if\_oo\_adt\_classrun~main.

DATA itab TYPE TABLE OF ZCAPG\_TABLE1.

\* fill internal travel table (itab)

itab = VALUE #(

( mykey = '01' travel\_id = '00000022' agency\_id = '070001' customer\_id = '000077' begin\_date = '20230124' end\_date = '20230128' booking\_fee = '600.00' currency\_code = 'USD')

( mykey = '02' travel\_id = '00000106' agency\_id = '070005' customer\_id = '000005' begin\_date = '20230304' end\_date = '20230308' booking\_fee = '170.00' currency\_code = 'AFN')

( mykey = '03' travel\_id = '00000103' agency\_id = '070010' customer\_id = '000011' begin\_date = '20230825' end\_date = '20230829' booking\_fee = '170.00' currency\_code = 'AFN')

).

\* delete existing entries in the database table

DELETE FROM ZCAPG\_TABLE1.

\* insert the new table entries

INSERT ZCAPG\_TABLE1 FROM TABLE @itab.

\* output the result as a console message

out->write( |{ sy-dbcnt } travel entries inserted successfully!| ).

ENDMETHOD.

ENDCLASS.

* Save, activate and click F9 to run your ABAP class.
* Check your result. Therefore open your database table and press F8 to see your data. Now the dictionary tables are filled with data.

