A screenshot of a computer

Description automatically generated

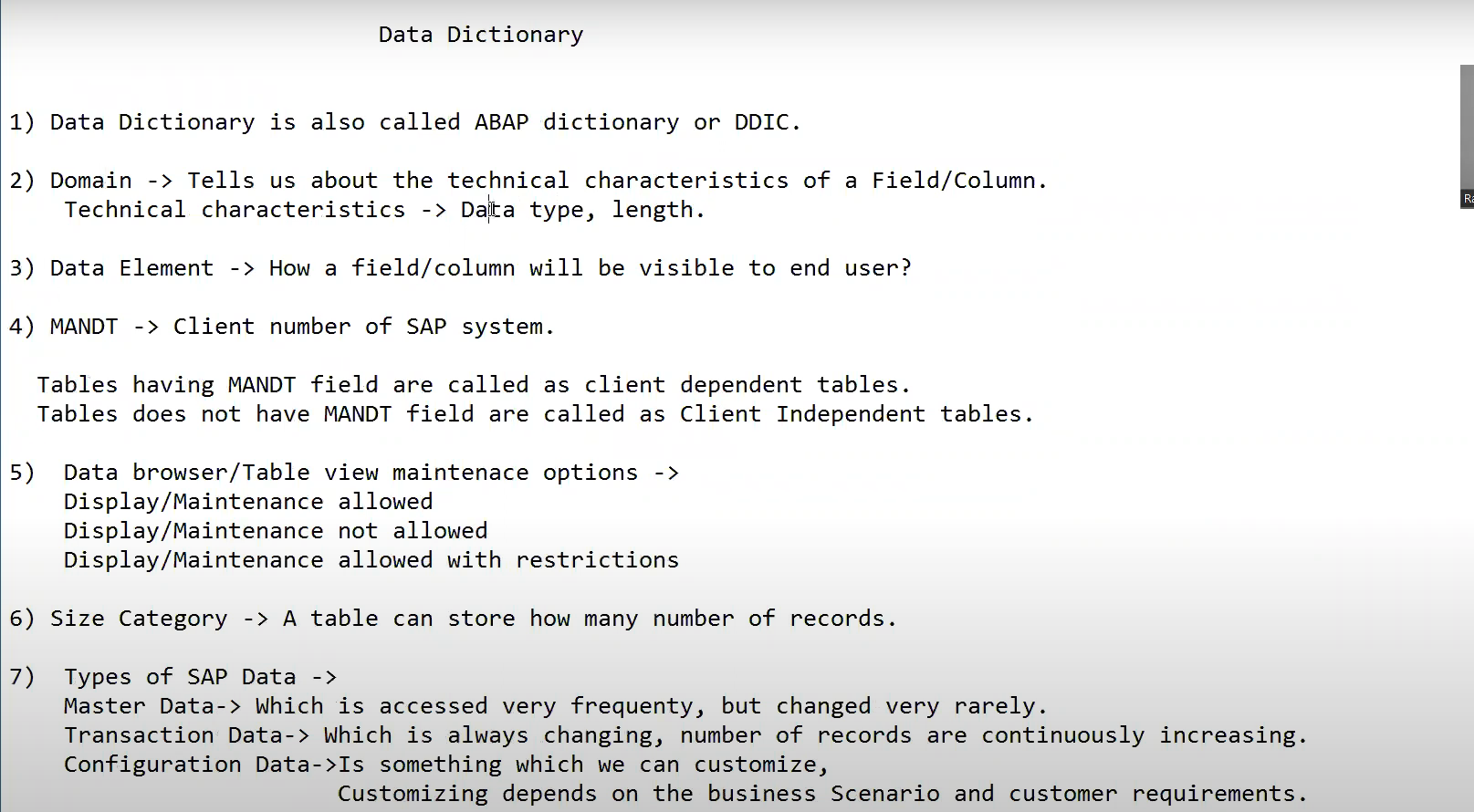
A table with numbers and numbers

Description automatically generated

First thing we need to do check how many no of domains and data element we need to create

We will create 5 Domain and 5 Data element

Domaim:- Technical Characteristic of any field or coloumn (Techninal Characteristic means Data type, Length)



## Domain Creation

Go to SE11 Transaction Code

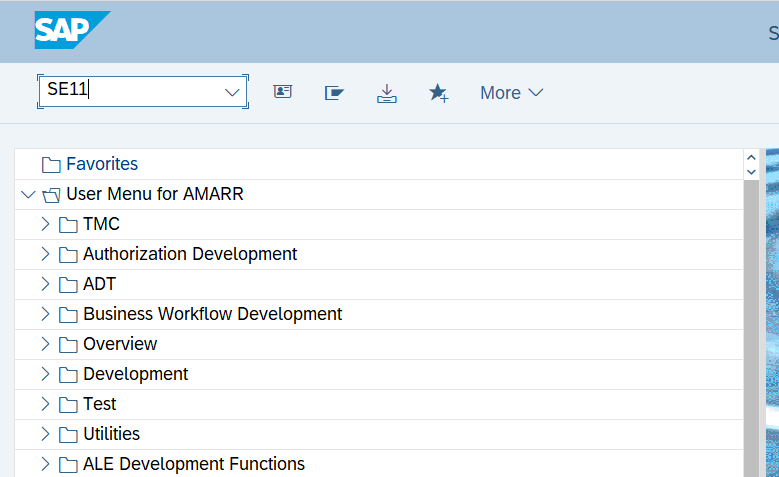


Figure 1 Navigating to SE11

A screenshot of a computer

Description automatically generated

Figure 2 Creating Domain for Order No

A screenshot of a computer

Description automatically generated

Figure 3 Allocating type to Domain.

A screenshot of a computer

Description automatically generated

Figure 4 Saving Domain in Local Object



Figure 5 No Consistency Means Domain is correct.

A screenshot of a computer

Description automatically generated

Figure 6 Check the Status is Activate

We can also give default value or Range of value while creating domain

A screenshot of a computer

Description automatically generated

## Data Element Creation

A screenshot of a computer

Description automatically generated

Figure 7 Go to SE11

A screenshot of a computer

Description automatically generated

Figure 8 Creating Data Element

A screenshot of a computer

Description automatically generated

Figure 9 Selecting Data element.

A screenshot of a computer

Description automatically generated

Figure 10 Pass the Order Number in Data element.

We use data element because it will be visible to end user so we can add the label here.

Whatever we add in the field label that will be available to end users

A screenshot of a computer

Description automatically generated

Visible to user

Figure 11 Visible to End user

Save it and Activate it

A screenshot of a computer

Description automatically generated

Figure 12 Save Data Element

## Table Creation

A screenshot of a computer

Description automatically generated

Figure 13 Go to SE11

Creating Order Header ZORDH\_28

A screenshot of a computer

Description automatically generated

Figure 14 Creating Custom Table

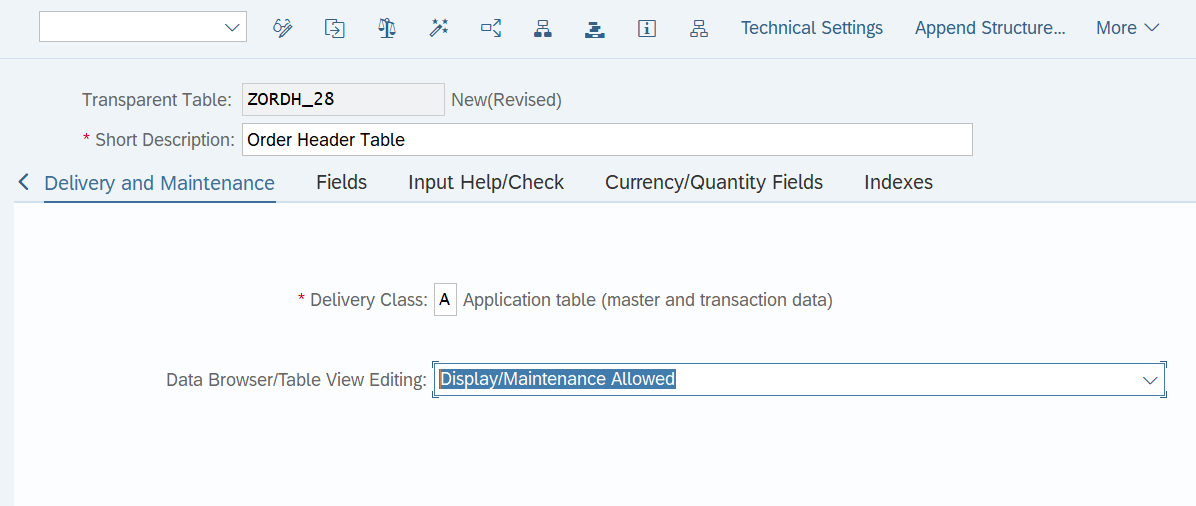


Figure 15 Selecting Delivery Class and Data Browser

A screenshot of a computer

Description automatically generated

Figure 16 We should add MANDT field it will give the user no

A screenshot of a computer

Description automatically generated

Figure 17 Creating Table using Data Elements

Primary key: - It is a key which Identify a record uniquely here **order number** is uniquely identified a particular record

SAP will except table only if primary keys are at the top of the table

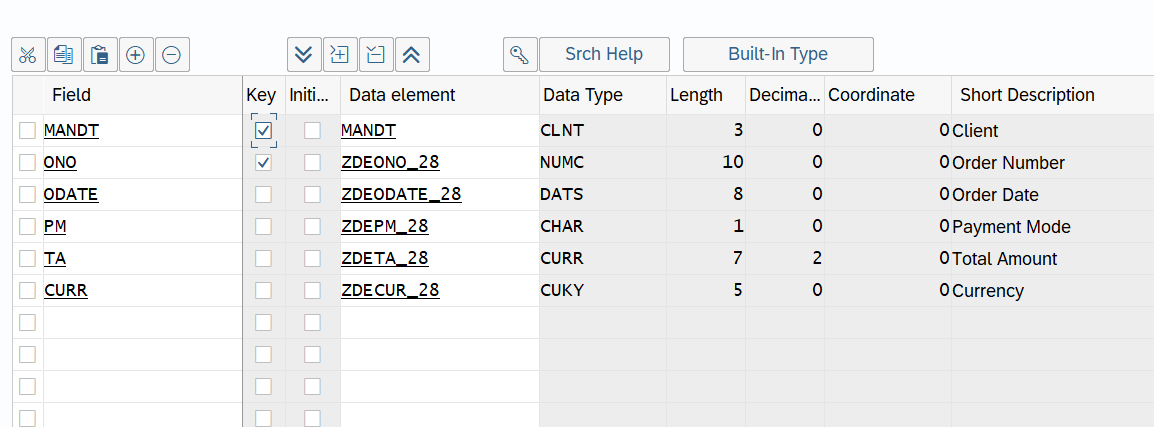


Figure 18 Primary key should always be at top

A screenshot of a computer

Description automatically generated

Figure 19 Go to technical Settings

A screenshot of a computer

Description automatically generated

Figure 20 Defining the Technical Settings

A screenshot of a computer

Description automatically generated

Figure 21 Allocating Data class and Size Category

We need to go back and check the reference.

A screenshot of a computer

Description automatically generated

Figure 22 Asking for reference field

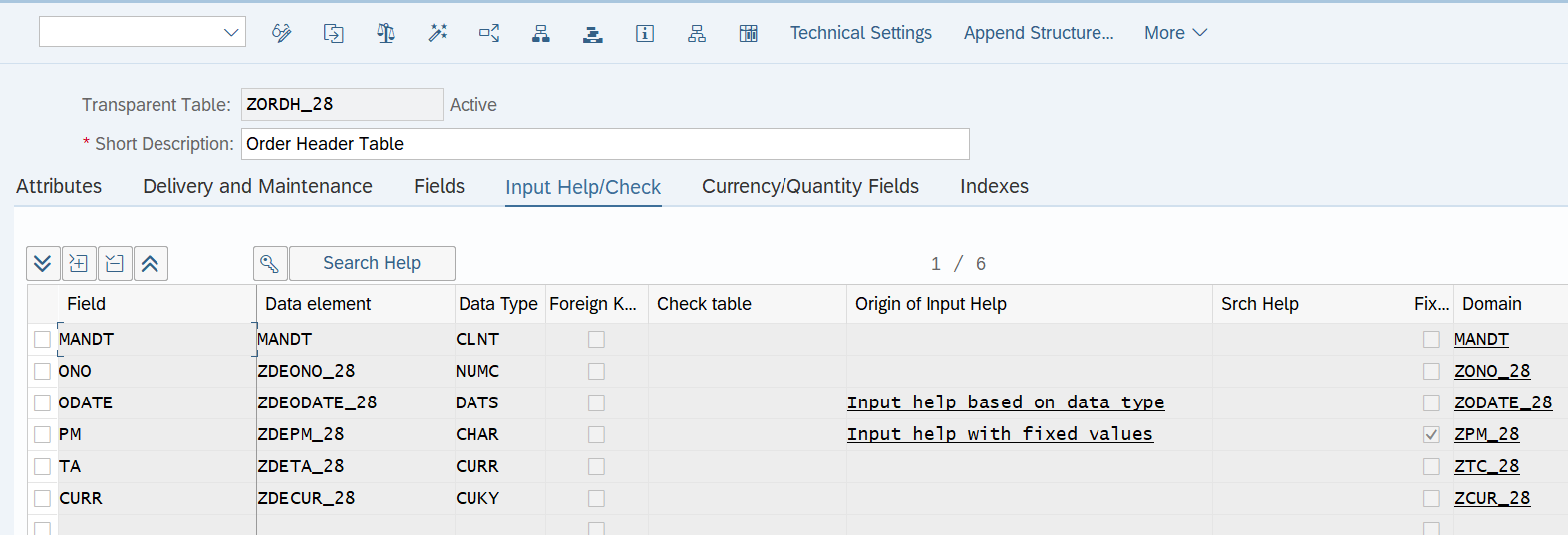


Figure 23 Check Syntax and Activate it

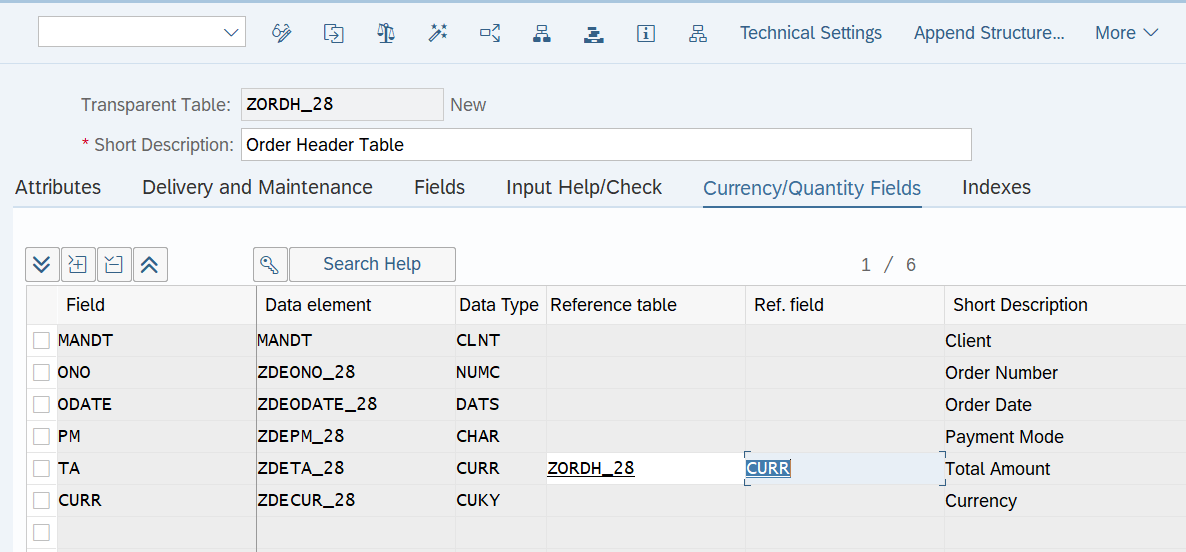


Figure 24 Giving Reference table and Field to Total Amount

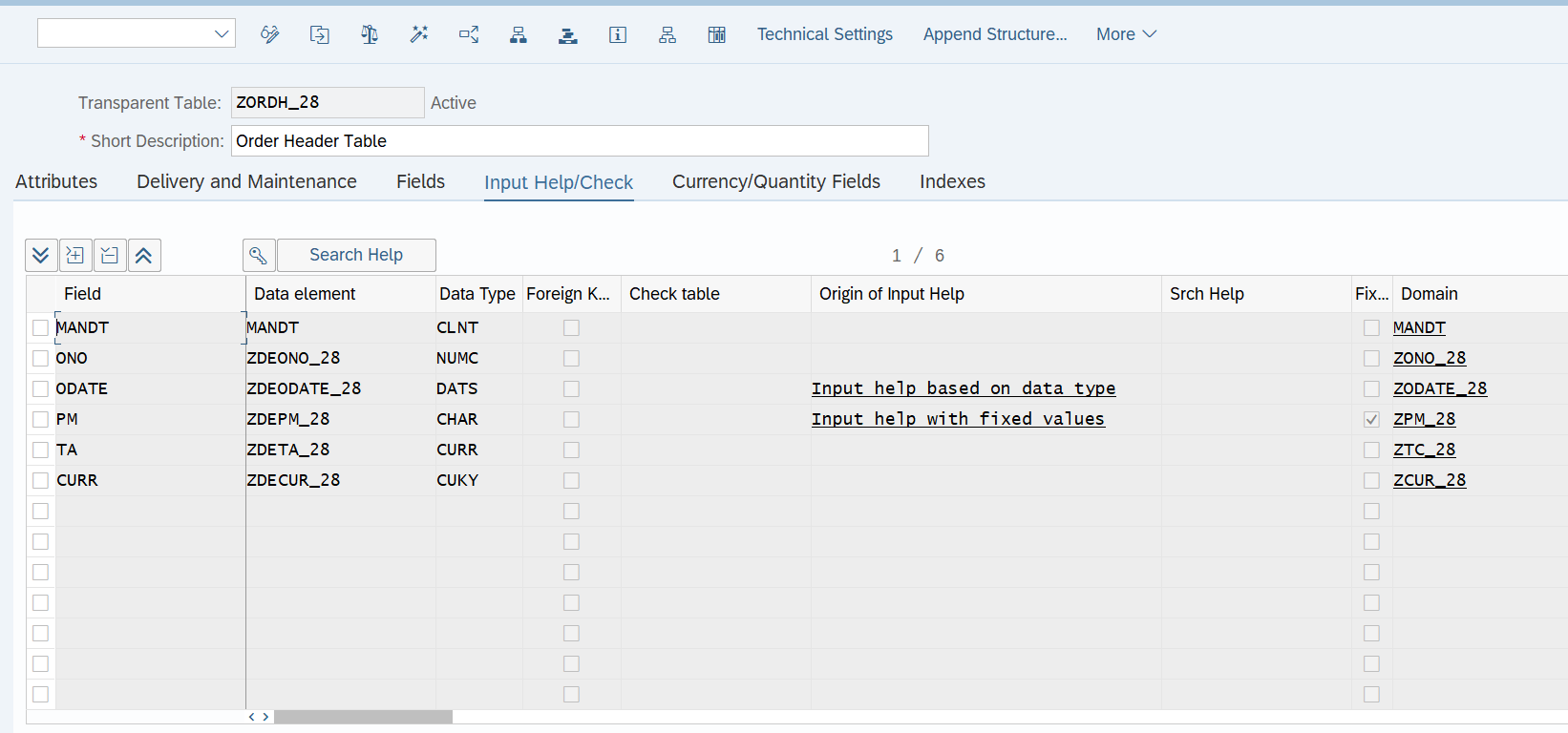


Figure 25 Make sure table is Activate

## Maintaining the Data in the Table

* Insert Record
* Update Record
* Delete Record

### Inserting Record

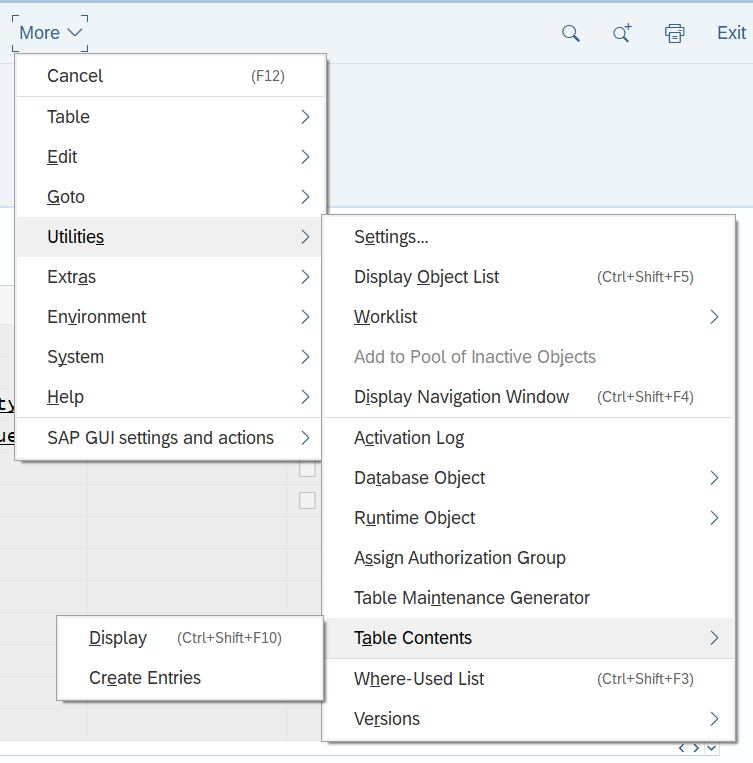


Figure 26 Creating New entry in table

A white screen with a black border

Description automatically generated

Figure 27 Inserted Record in the Database Table

A screenshot of a computer

Description automatically generated

Figure 28 To see Inserted Data(ctrl + shift F10)

A screenshot of a computer

Description automatically generated

Figure 29 Data Preview

To switch the display mode

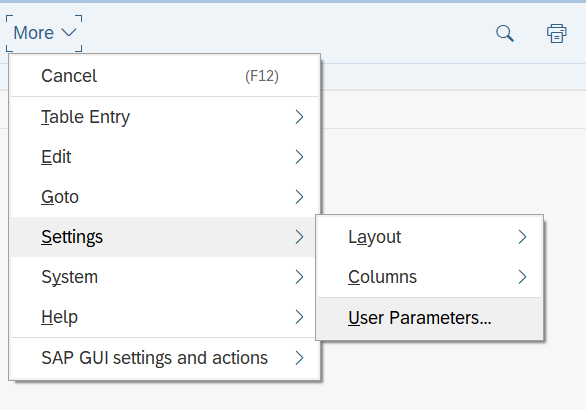


Figure 30 Go to User Parameters

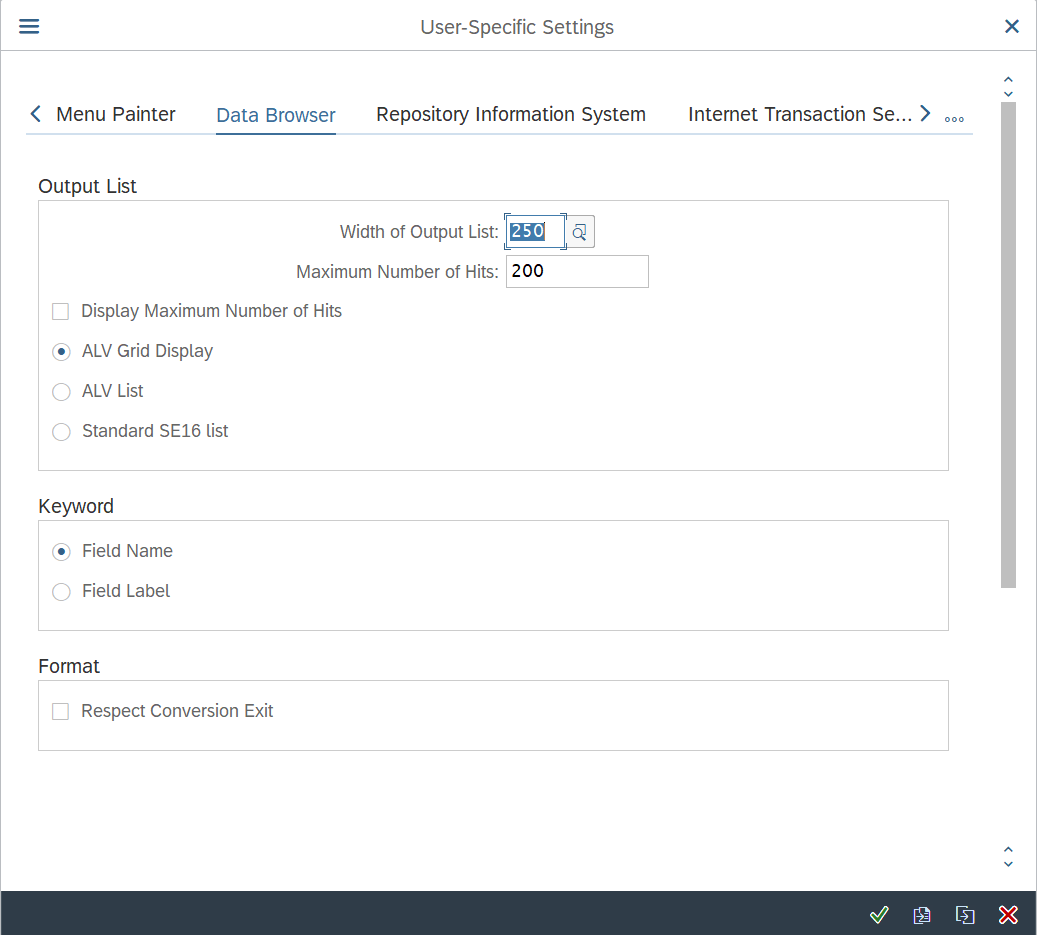


Figure 31 Changing to ALV Grid Display

### Updating Record

But we will not able to update the primary key record

A screenshot of a computer

Description automatically generated

Figure 32 Changing the Existing Data

### Deleting Record

A screenshot of a computer

Description automatically generated

Figure 33 Deleting the Record

A screenshot of a computer

Description automatically generated

Figure 34 Deleting Entry

## SE16

A screenshot of a computer

Description automatically generated

Figure 35 Creating new Entry

## SE16N

It is new version of SE16

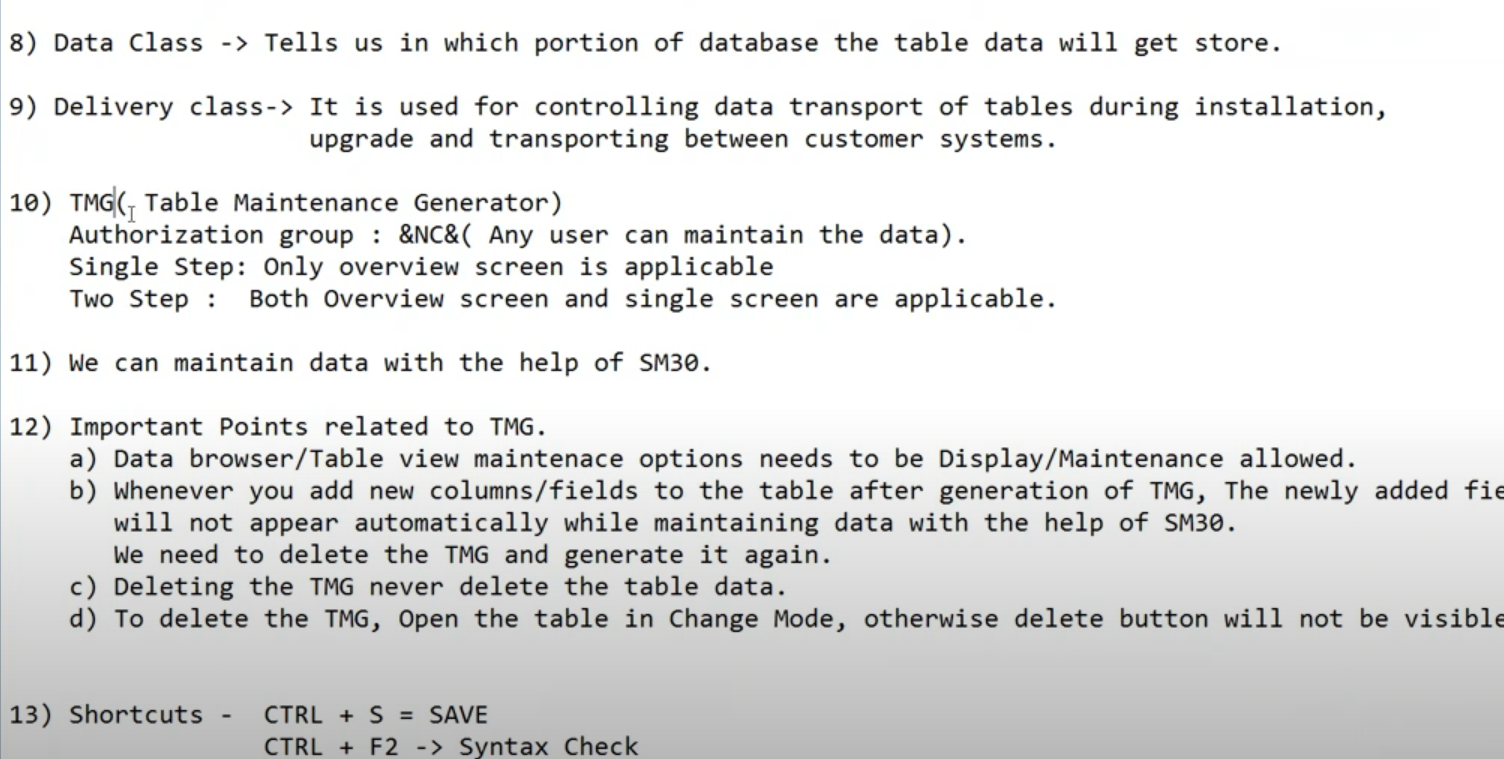
A screenshot of a computer

Description automatically generated

Figure 36 Creating Record from SE16N

## TMG (Table Maintenance Generator)

In Production system user don’t have access to SE11 , SE16 or SE16N in this scenario we cannot use them directly so we need to use TMG(Table Maintenance Generator)



We can maintain the Data using SM30 rights for SM30 is given to user

### Creating TMG

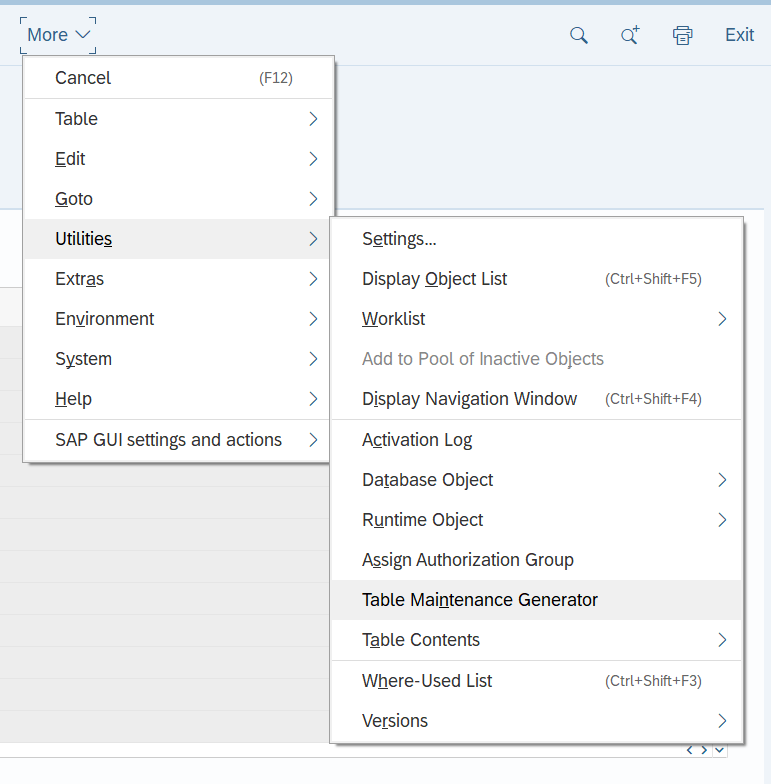


Figure 37 Creating Table Maintenance Generator

Authorization Group:- A group in which we have specific people those are authorized to maintain the table

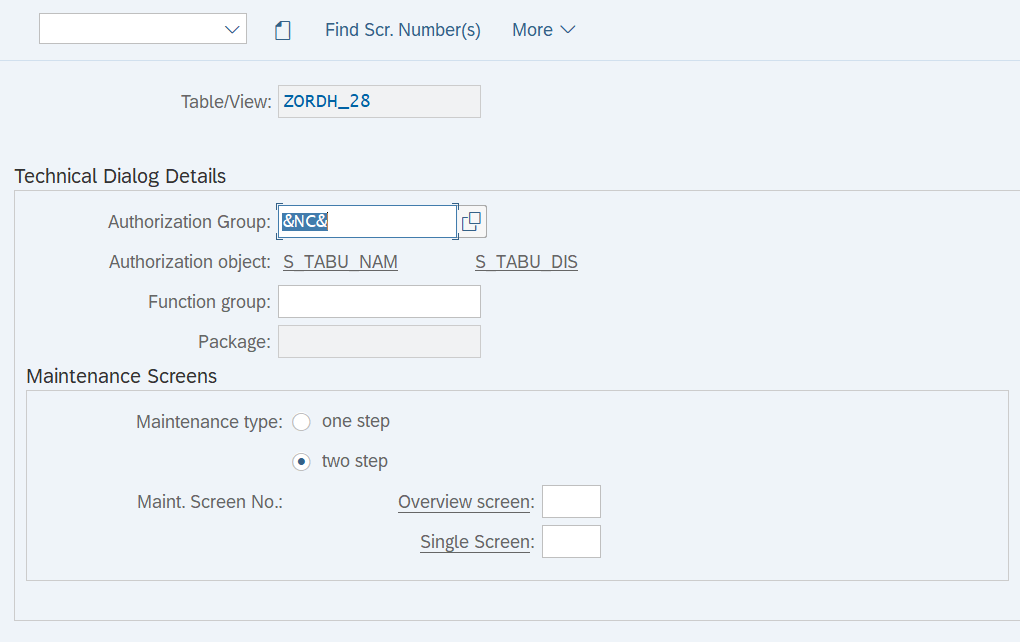


Figure 38 &NC& anyone can maintain the table

This means it will not check for any authorization

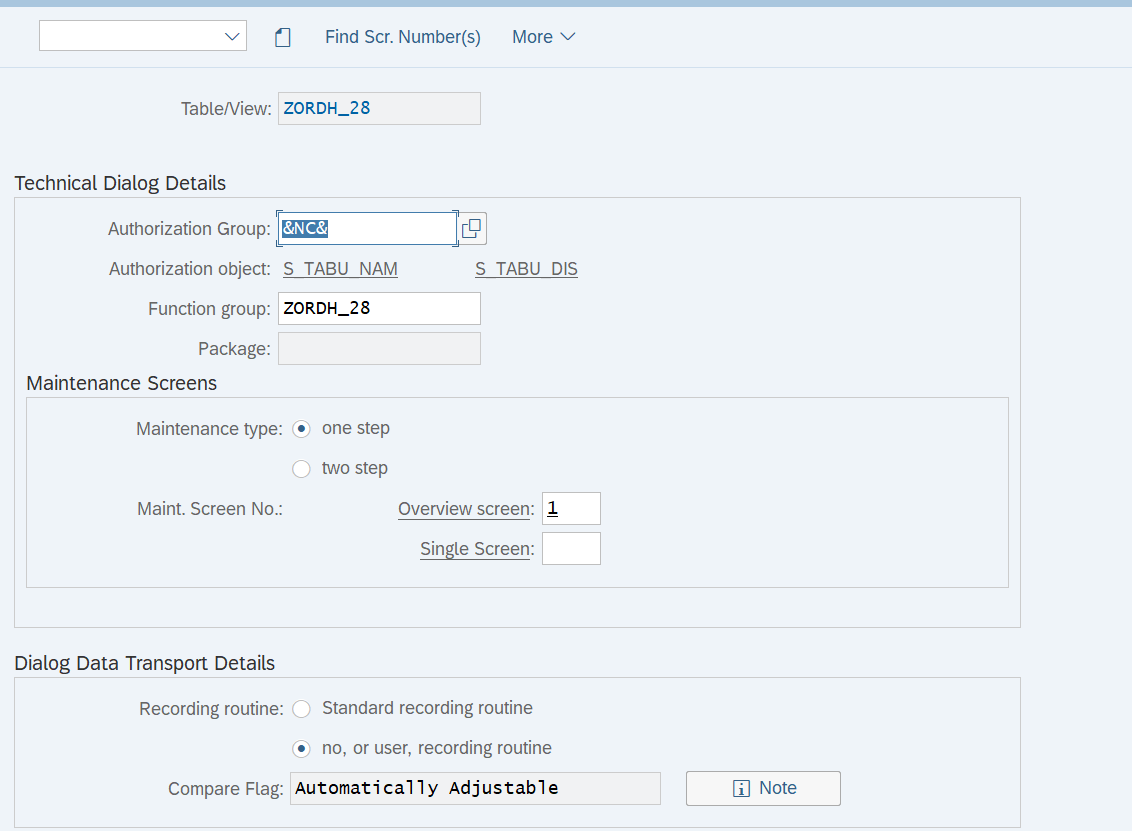


Figure 39 Function Group and No of Screens

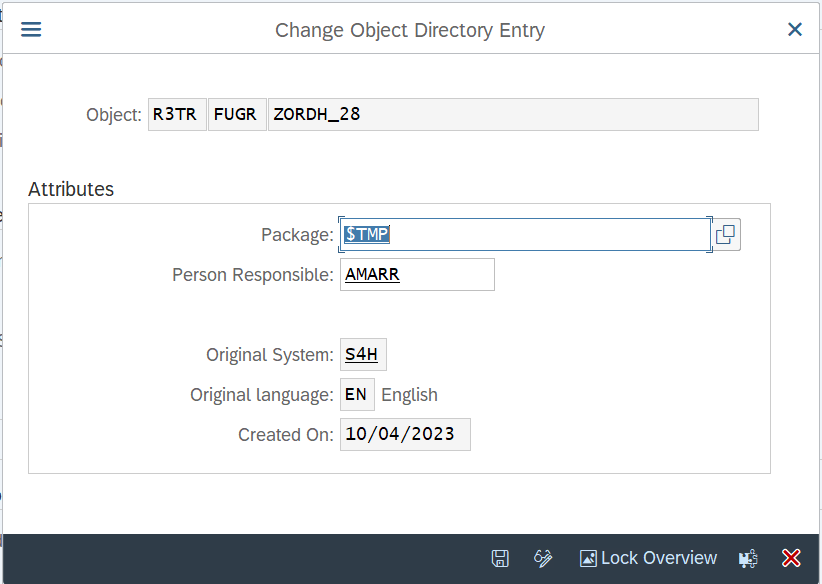


Figure 40 Saving in the Local Object

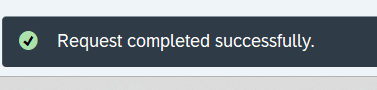


Figure 41 Table maintenance Generated Successfully

### Maintaining Data using generated TMG

**Once the TMG is generated we can maintain the data in the table using SM30**

#### Go to SM30

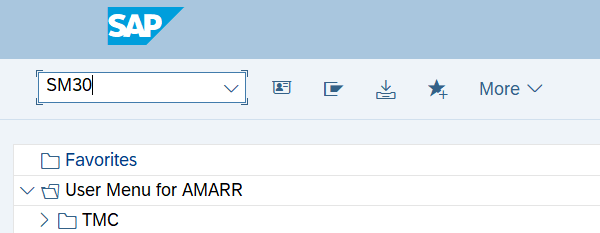


Figure 42 Go to SM30

#### Click on Edit(Maintain)

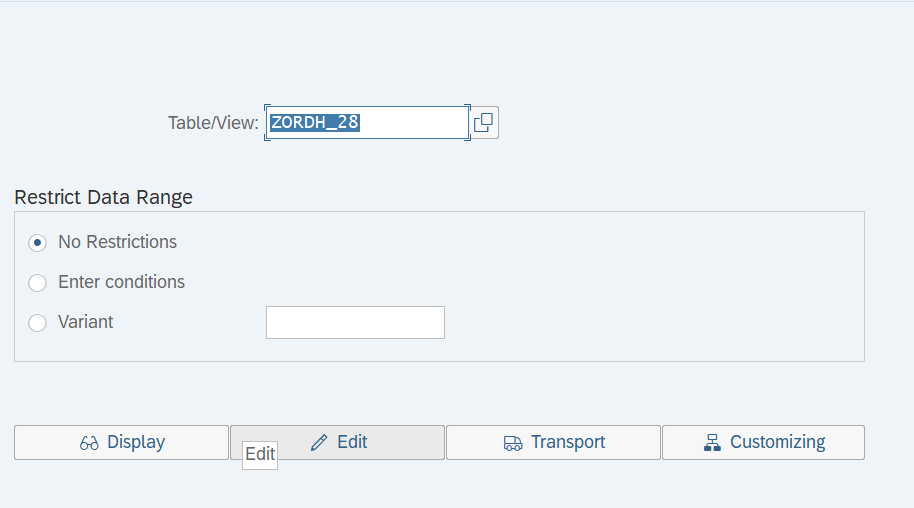


Figure 43 Go to Edit to Maintain the data

#### New Entry

A screenshot of a computer

Description automatically generated

Figure 44 Adding New Entries

A screenshot of a computer

Description automatically generated

Figure 45 Save the Entry

#### Deleting the Record

A screenshot of a computer

Description automatically generated

Figure 46 Deleting the Record

#### To verifying the Screen no

A screenshot of a computer

Description automatically generated

Figure 47 Go to Status

A screenshot of a computer

Description automatically generated

Figure 48 Verified its one step using Screen number

#### Deleting TMG

If you want to delete the TMG from SE11 we need to make sure you are doing in Edit mode, then go to Table maintenance generator mode we will able to delete

A screenshot of a computer

Description automatically generated

Figure 49 When you open table that is in Display mode

A screenshot of a computer

Description automatically generated

Figure 50 When table is in Display mode

We can also delete TMG from SE55

A screenshot of a computer

Description automatically generated

Figure 51 Go to SE55 to delete the TMG

A screenshot of a computer

Description automatically generated

Figure 52 Delete the TMG

A screenshot of a computer

Description automatically generated

Figure 53 Deleting the TMG

Create again TMG with 2 step

A screenshot of a computer

Description automatically generated

Figure 54 Creating New Entry but it is 2 step

A screenshot of a computer

Description automatically generated

Figure 55 We can add multiple records on different screen.

**Preferred is one step.**

#### Tips

* When you want to generate TMG and maintain table using SM30 always keep

Data Browser/Table View Editing :- Display/Maintenance Allowed

* When we create TMG for table and we add field in table it will not get reflected in SM30 you need to regenerate the TMG
* When you Delete TMG still data will be there in table
* SM30 From SE11 Utilities->Table Content ->Create Entries