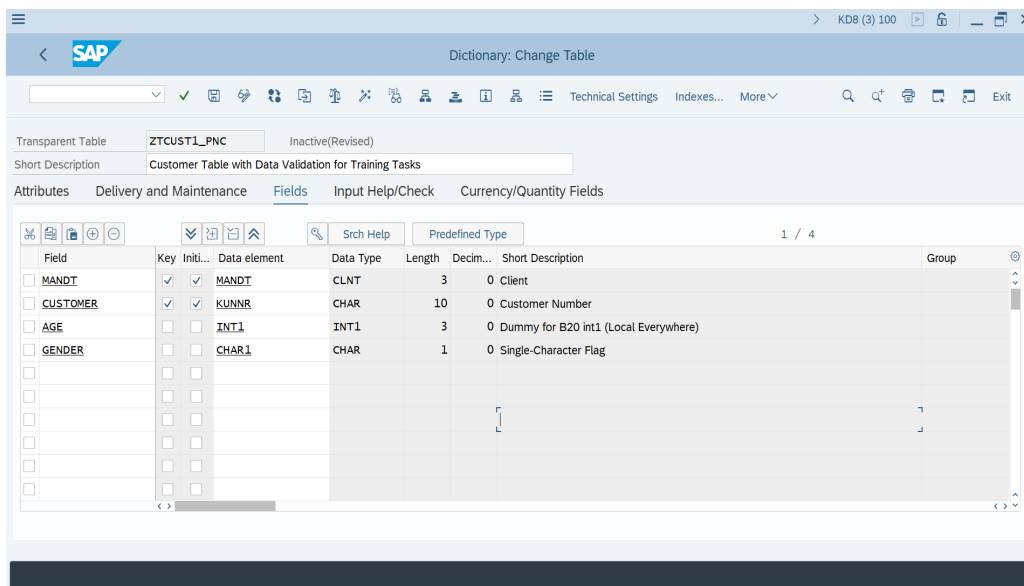
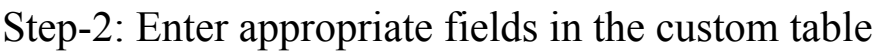


### Step-1: Creation of custom table named ZTCUST1\_PNC in the ABAP Dictionary



### Step-3: Generation of TMG by using Table Maintenance Generator in the Utilities.

The screenshot shows the 'Generate Table Maintenance Dialog: Generation Environment' window in SAP. The 'Table/View' field is set to 'ZTCUST1\_PNC'. Under 'Technical Dialog Details', the 'Authorization Group' is '&NC&' (w/o auth. group), 'Authorization object' is 'S\_TABU\_DIS', 'Function group' is 'ZTCUST1\_PNC', and 'Package' is 'ZP\_PREETHIKA\_TA'. Under 'Maintenance Screens', 'Maintenance type' is 'one step', 'Maint. Screen No.' is '1', and 'Single Screen' is checked. Under 'Dialog Data Transport Details', 'Recording routine' is 'no, or user, recording routine' and 'Compare Flag' is 'Automatically Adjustable'.

### Step-4: After the creation of TMG, activate the respective Function Group

The screenshot shows the 'Dictionary: Display Table' window for the table 'ZTCUST1\_PNC'. The table is a 'Transparent Table' and is 'Active'. The 'Short Description' is 'Customer Table with Data Validation for Training Tasks'. The 'Fields' tab is selected, showing the following fields:

Field	Key	Initi...	Data element	Data Type	Length	Decim...	Short T
MANDT	✓	✓	MANDT	CLNT	3	0	Client
CUSTOMER	✓	✓	KUNNR	CHAR	10	0	Custom
AGE			INT1	INT1	3	0	Dummy
GENDER			CHAR1	CHAR	1	0	Single-
MOBILE_NO			NUM	NUMC	2	0	Sequer

### Step-5: Maintain the TMG from SM30

<

SAP

Edit Table Views: Initial Screen

Back (F3)

Find Maintenance Dialog

Cancel

More

Table/View

ZTCUST1\_PNC

Restrict Data Range

No Restrictions

Enter conditions

Variant

Display

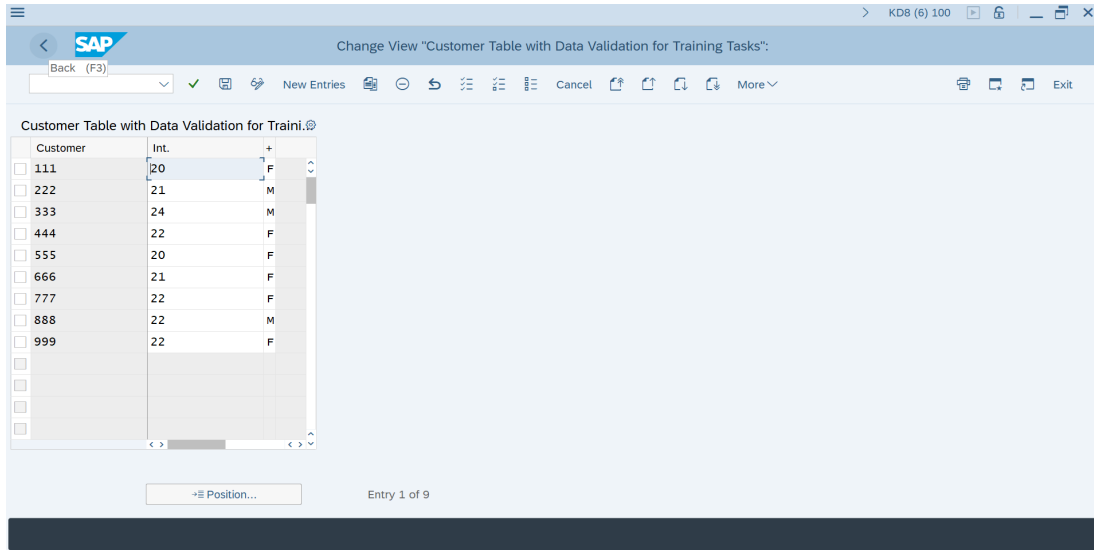
Maintain

Transport

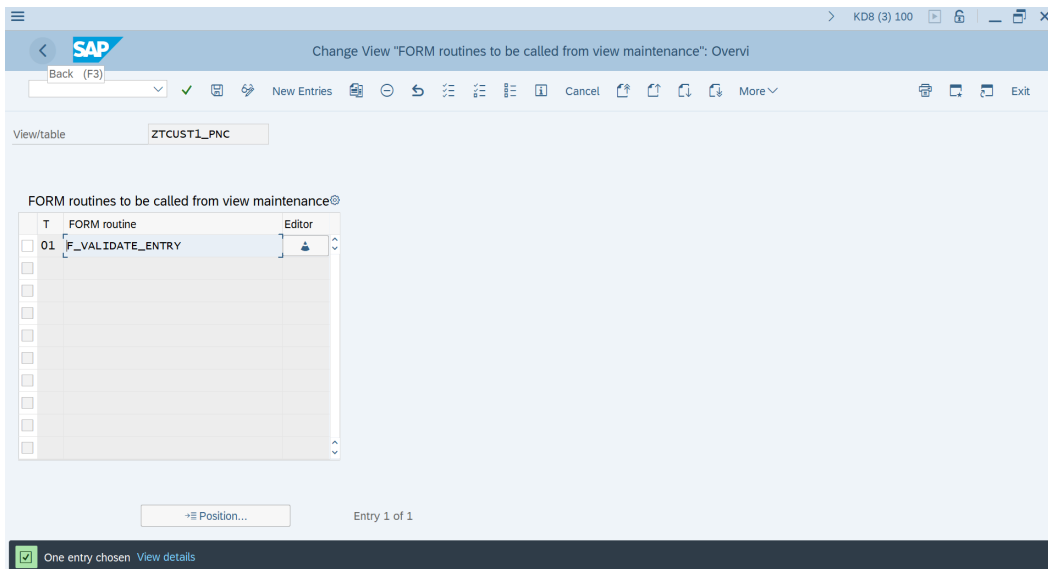
Customizing

Step-6: Enter new entries into the respective field

[illegible]



Step-7: Creation of events for data validation by using events option in the environment



```
1  ***INCLUDE LZTCUST1_PNCF01.
2
3
4  FORM f_validate_entry.
5
6      DATA lwa_row TYPE ztcust1_pnc.
7
8      LOOP AT total.
9          clear lwa_row.
10         if <vim_total_struc> is ASSIGNED.
11             MOVE-CORRESPONDING <vim_total_struc> to lwa_row.
12         endif.
13
14         if <action> NE 'D' and <action> is NOT INITIAL and <action> NE 'X'.
15             if lwa_row-gender NE 'M' and lwa_row-gender NE 'F'.
16                 MESSAGE 'Gender must be M or F' TYPE 'S' DISPLAY LIKE 'E'.
17             vim_abort_saving = 'X'.
18             exit.
19         endif.
20     endif.
21 ENDLOOP.
22 ENDFORM.
```

If the user enters the wrong data into the field, it will show an error message. For example: In our case, users are supposed to enter ‘M’ or ‘F’ in the gender field. If the user enters some other data, it will show an error message like Gender must be ‘M’ or ‘F’. Then the entered wrong data will not be saved in the respective field.

## OUTPUT:

Customer	Int.	+
323	21	G

Entry 1 of 1

Gender must be M or F