

CREATE Z TABLE STUDENT RECORDS WHERE Z FIELDS CAN BE NAME, ID...ETC. CREATE Z FUNCTION GROUP INSIDE THAT CREATE Z FUNCTION MODULE WHERE INPUT SHOULD BE STUDENT ID AND THE OUTPUT SHOULD BE STUDENT PROFILE.

Step 1: Creation of Z table for Students profile.

The screenshot shows the SAP Dictionary: Change Table interface for the table ZTSTDPROFILE_PNC. The table is a Transparent Table with the short description 'Custom Table for Student Profile'. The Fields tab is active, displaying a list of fields with their attributes.

Field	Key	Init...	Data element	Data Type	Length	Decim...	Short Description	Group
<input type="checkbox"/> MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3		0 Client	
<input type="checkbox"/> STD_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ZSTD_ID	CHAR	10		0 Student ID	
<input type="checkbox"/> NAME	<input type="checkbox"/>	<input type="checkbox"/>	ZNAME	CHAR	50		0 Name	
<input type="checkbox"/> AGE	<input type="checkbox"/>	<input type="checkbox"/>	ZSTD_AGE	INT2	5		0 Student Age	
<input type="checkbox"/> GENDER	<input type="checkbox"/>	<input type="checkbox"/>	Z_GENDER	CHAR	1		0 Student Gender	
<input type="checkbox"/> DEGREE	<input type="checkbox"/>	<input type="checkbox"/>	Z_DEGREE	CHAR	5		0 Degree	
<input type="checkbox"/> STREAM	<input type="checkbox"/>	<input type="checkbox"/>	Z_STREAM	CHAR	20		0 Stream	
<input type="checkbox"/> COUNTRY	<input type="checkbox"/>	<input type="checkbox"/>	Z_COUNTRY	CHAR	20		0 Country	
<input type="checkbox"/> STATE	<input type="checkbox"/>	<input type="checkbox"/>	Z_STATE	CHAR	20		0 State	
<input type="checkbox"/> CITY	<input type="checkbox"/>	<input type="checkbox"/>	Z_CITY	CHAR	20		0 City	

Step 2: Creation of Search help for Student ID.

The screenshot shows the SAP Dictionary: Change Search Help interface for the search help ZSH_STDPROFILE. The search help is an Elementary Help with the short description 'Search Help for Student ID'. The Definition tab is active, showing enhanced options and a parameter table.

Enhanced Options

- ☐ Proposal Search for Input Fields
- ☐ Multi-Column Full Text Search (Database-Specific)
- Accuracy Value for Error-Tolerant Full Text Search: 0,8

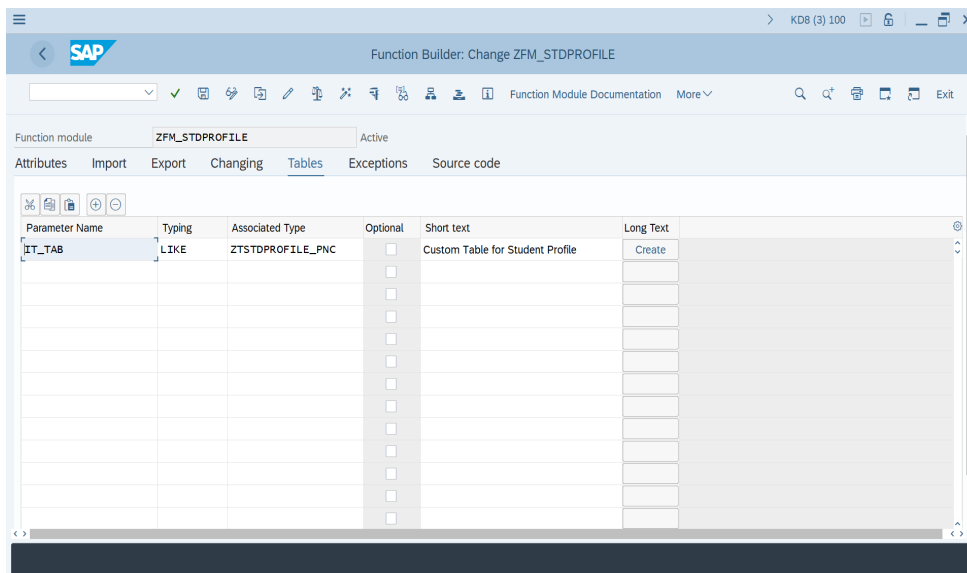
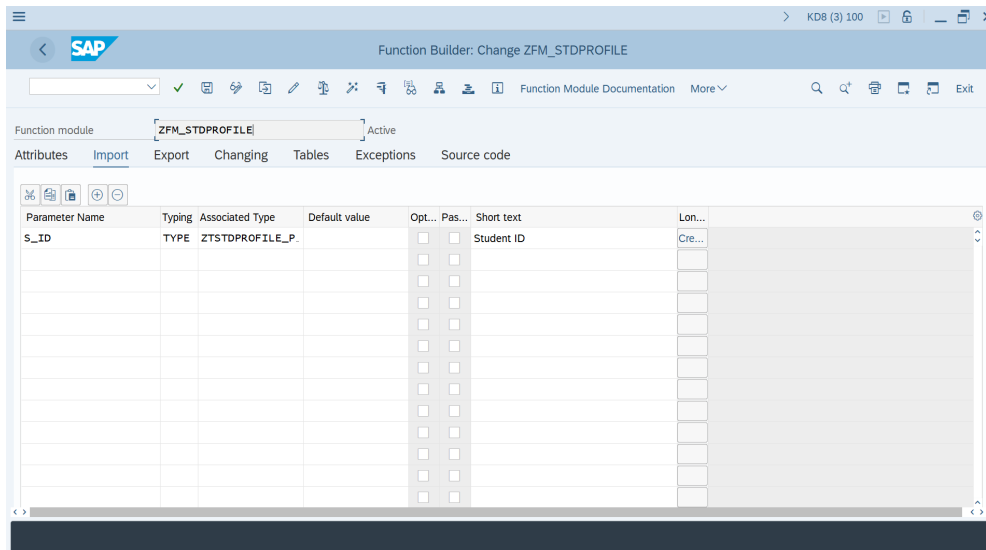
Search help exit:

Parameter

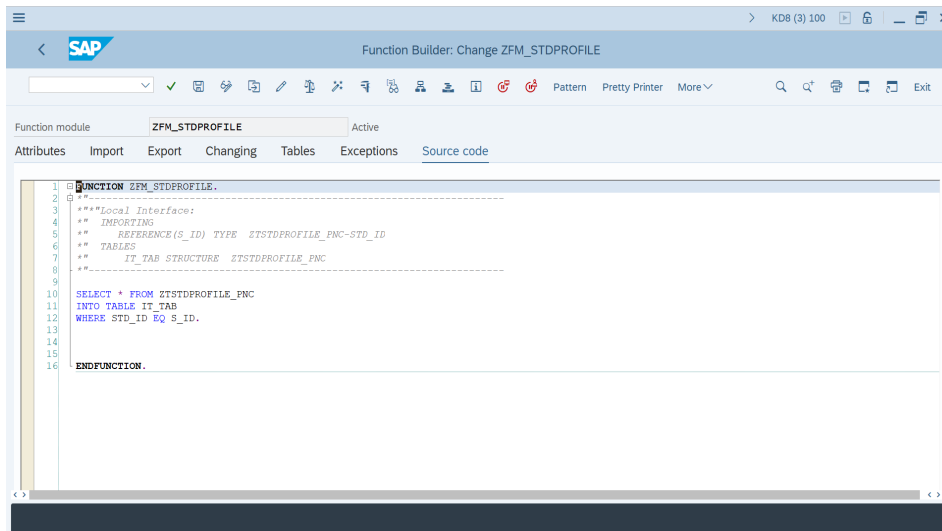
Search help parameter	IMP	EXP	LPos	SPos	SDIs	Data element	M...	Default value
<input type="checkbox"/> STD_ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	<input type="checkbox"/>	ZSTD_ID	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	

Object(s) activated

Step 3: Creation of Function Module for Student Profile with Import parameter S_ID for the corresponding table.



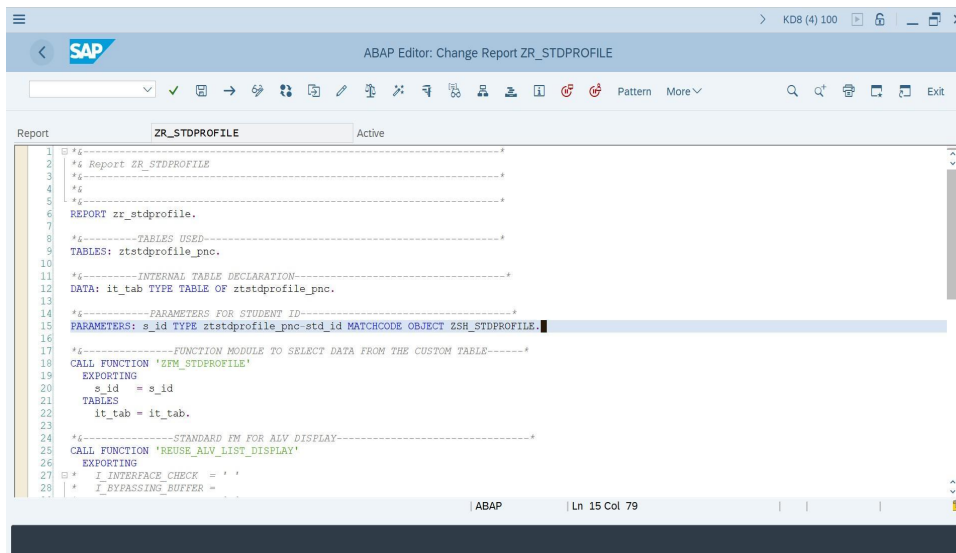
Step 4: Source code to select field from the student table



The screenshot shows the SAP Function Builder interface for the function module ZFM_STDPFILE. The 'Source code' tab is active, displaying the following ABAP code:

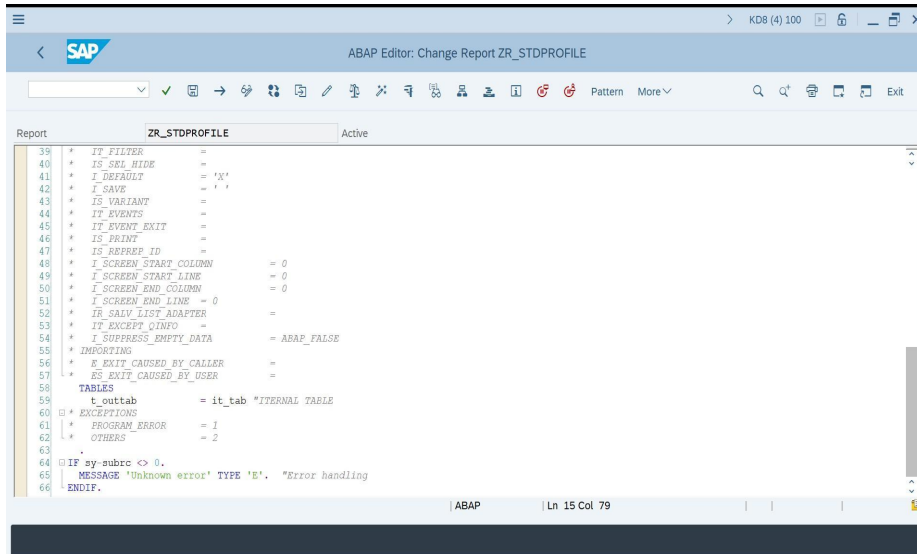
```
1 FUNCTION ZFM_STDPFILE.  
2 *-----  
3 * Local Interface:  
4 ** IMPORTING  
5 ** REFERENCE(S_ID) TYPE ZTSTDPROFILE_PNC-STD_ID  
6 ** TABLES  
7 ** IT_TAB STRUCTURE ZTSTDPROFILE_PNC  
8 *-----  
9  
10 SELECT * FROM ZTSTDPROFILE_PNC  
11 INTO TABLE IT_TAB  
12 WHERE STD_ID EQ S_ID.  
13  
14  
15  
16 ENDFUNCTION.
```

Step 5: Creation of Report to call the above function module and to display data from the corresponding table by using parameter s_id.

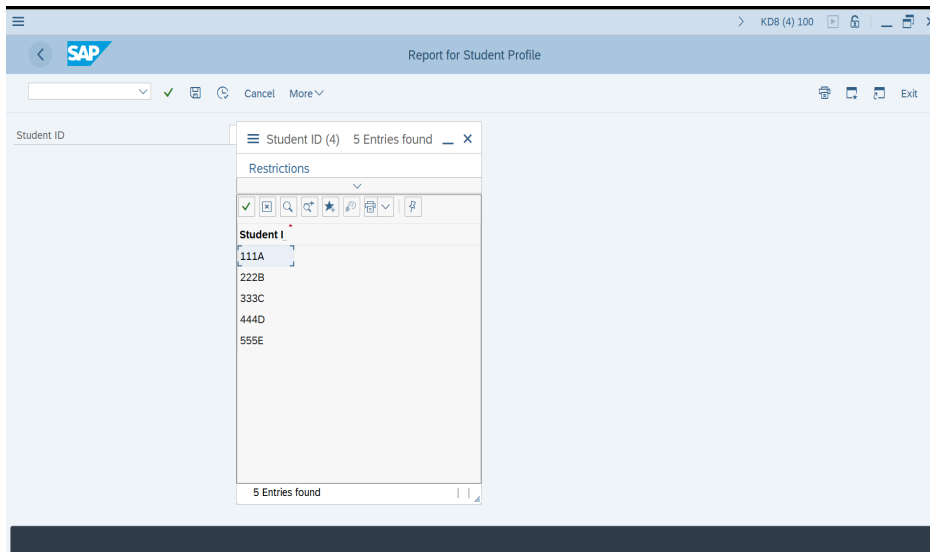


The screenshot shows the SAP ABAP Editor interface for the report ZR_STDPFILE. The 'Report' tab is active, displaying the following ABAP code:

```
1 *-----  
2 * Report ZR_STDPFILE  
3 *-----  
4 *  
5 *  
6 REPORT ZR_stdpfile.  
7  
8 *-----TABLES USED-----  
9 TABLES: ztstdprofile_pnc.  
10  
11 *-----INTERNAL TABLE DECLARATION-----  
12 DATA: it_tab TYPE TABLE OF ztstdprofile_pnc.  
13  
14 *-----PARAMETERS FOR STUDENT ID-----  
15 PARAMETERS: s_id TYPE ztstdprofile_pnc-std_id MATCHCODE OBJECT ZSH_STDPFILE.  
16  
17 *-----FUNCTION MODULE TO SELECT DATA FROM THE CUSTOM TABLE-----  
18 CALL FUNCTION 'ZFM_STDPFILE'  
19 EXPORTING  
20   s_id = s_id  
21   TABLES  
22     it_tab = it_tab.  
23  
24 *-----STANDARD FM FOR ALV DISPLAY-----  
25 CALL FUNCTION 'REUSE_ALV_LIST_DISPLAY'  
26 EXPORTING  
27   I_INTERFACE_CHECK = ' '  
28   I_BYPASSING_BUFFER = ' '.
```



Output: If the user enters any ID from the Student Id field, it will display the particular student profile in the ALV format.





Report for Student Profile

J Q S - D Z \x \" 0 'f1 % |< C) Cancel More* 🔍 🔍+ 🖨️ 📄 📄 Exit

Student ID	NAME	Std_Age	Std_Gender	Degree	Student Stream	Student Country	Student Stat
111A	PREETHIKA N C	21	F	BE	ECE	GERMANY	BERLIN

