

Create a transaction for entering a new entry into a Database table

Step 1: Create a Domain for Student (translated as *Alumno* in Spanish)

< **SAP** Dictionary: Display Domain

Domain: Active

Short Description:

Properties **Definition** Value Range

Format

Data Type: Character String

No. Characters:

Decimal Places:

Output Characteristics

Output Length:

Routine:

☐ Sign

☐ Case-sensitive

Step 2: Create a Data element using the previous Domain

< **SAP** Dictionary: Display Data Element

Data element: Active

Short Description:

Attributes **Data Type** Further Characteristics Field Label

☒ Elementary Type

☒ Domain

Data Type: Character String

Length:

☐ Built-in type

Data Type:

Length:

☐ Reference Type

☐ Referenced Type

☐ Reference to built-in type

Data Type:

Length:

Attributes Data Type Further Characteristics **Field Label**

	Length	Field Label
Short:	<input type="text" value="60"/>	<input type="text" value="ALUMNO"/>
Medium:	<input type="text" value="60"/>	<input type="text" value="ALUMNO"/>
Long:	<input type="text" value="60"/>	<input type="text" value="ALUMNO"/>
Heading:	<input type="text" value="60"/>	<input type="text" value="ALUMNO"/>

Step 3: Create a Database table using the previous Data element

Table Edit Goto Utilities Extras Environment System Help
Dictionary: Display Table

Technical Settings
Append Structure...
More

Transparent Table: ZTABLA_TOMAS Active

Short Description: Tabla Tomas

Attributes
Delivery and Maintenance
Fields
Input Help/Check
Currency/Quantity Fields
Indexes

Delivery Class: A Application table (master and transaction data)

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

Attributes
Delivery and Maintenance
Fields
Input Help/Check
Currency/Quantity Fields
Indexes

✂
📄
📁
+
-

⌵
⌶
⌷
⌸

🔍

Field	Key	Initi...	Data element	Data Type	Length	Decima...	Coordinate	Short Description
<input type="checkbox"/> MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0		0 Client
<input type="checkbox"/> ALUMNO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Z ELEMENTO TOMAS	AR	10	0		0

Technical Settings .

General Properties

DB-Specific Properties

Logical Memory Parameters

Data Class: APPL0

Size Category: 0

Master Data, Transparent Tables
Expected Data Records 0 to 23.000

Table Sharing

Sharing Type:

Not classified

⌵ Display

Buffering

☒ Buffering Not Allowed

☐ Buffering allowed but switched off

☐ Buffering Activated

Step 4: Create a program that allows the user to enter a new entry in the previous table

- The program is the one located outside this document

Step 5: Create a transaction that executes the program

Transaction code

Edit

Goto

Utilities

Environment

System

Help

<

SAP

Display Report Transaction

More

Transaction code:

ZTRANSACCION_TOMAS

Package:

ZCURSO

Transaction text:

Programa y transaccion

Start Options

Program:

ZPROGRAMA_TOMAS

Selection screen:

1000

Start with variant:

Authorization Object:

Values

Classification

Transaction classification

☒ Professional User Transaction

☐ Easy Web Transaction

☐ Pervasive enabled

Service:

GUI support

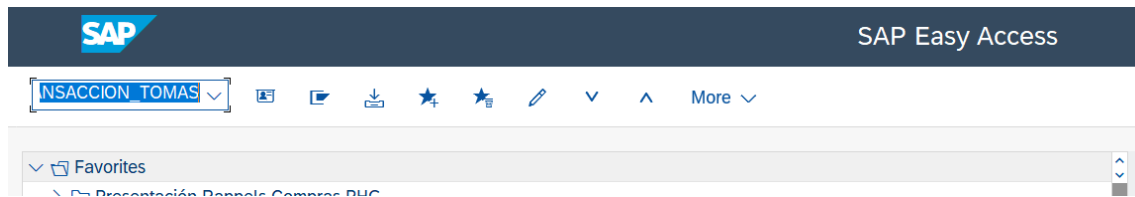
☒ SAP GUI for HTML

☒ SAP GUI for Java

☒ SAP GUI for Windows

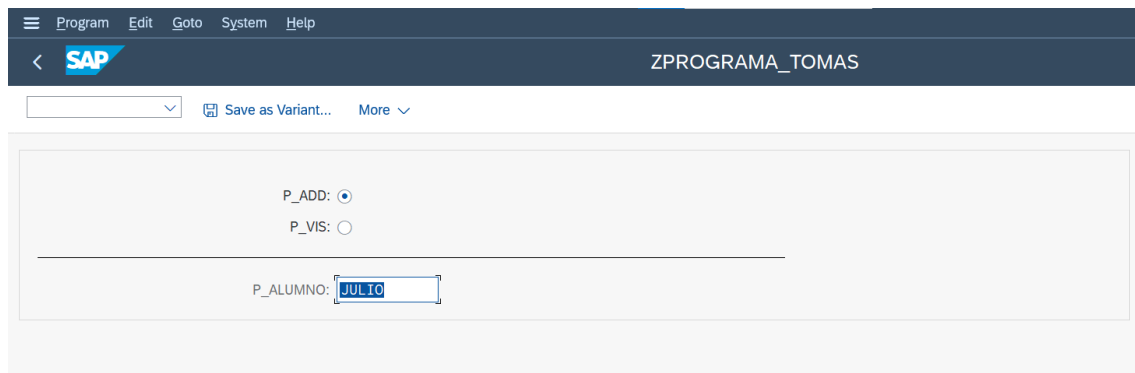
Executing the transaction

When one enters the transaction, the program is executed, and the selection screen appears.

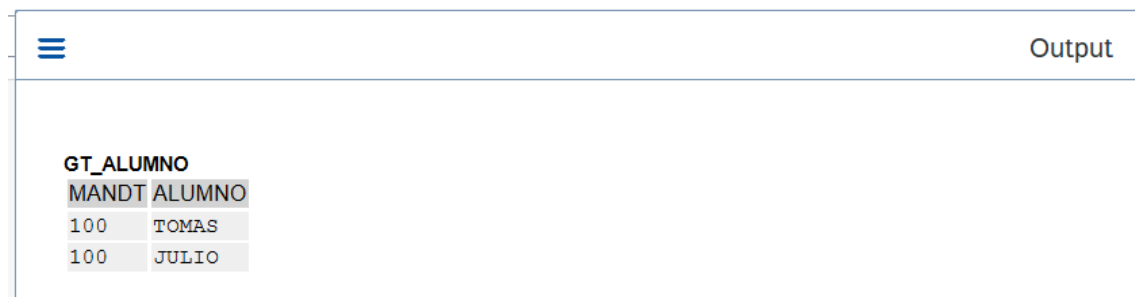


First, we can select the P_ADD radio button to enter a new student (in the P_ALUMNO field).

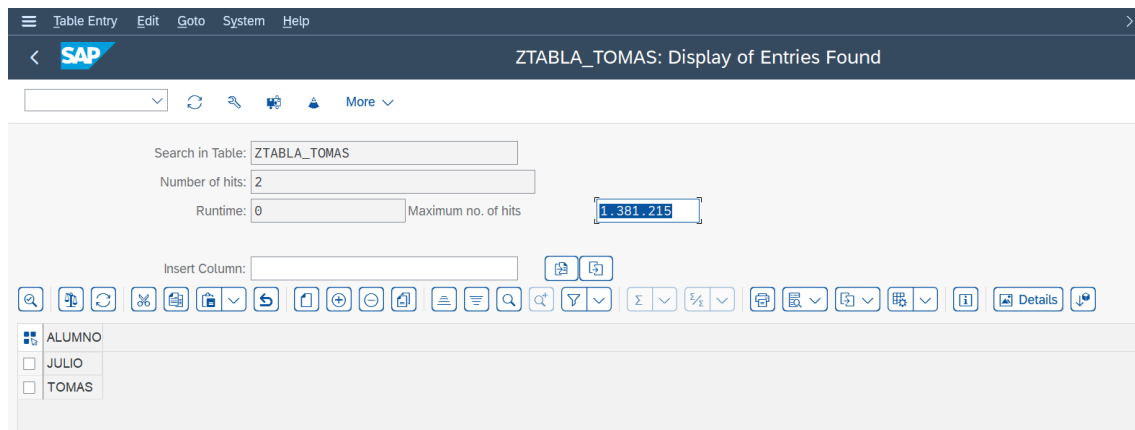
In this example we previously introduced the student called TOMAS, pressed the **Execute** button, and entered a second student called JULIO. We pressed **Execute** again.



Next, one can select the P_VIS button in order to visualize the two entries of our table:



It is also possible to see the two entries in the table by accessing it with t-code se16n:



Additional notes about de program

ABAP Editor: Change Report ZPROGRAMA_TOMAS

Attributes (Shift+F9)
Text Elements (F5)
Messages
Variants
Object Directory Entry
Documentation
Translation
Application Help
Back (F3)

```
1  * &---  
2  * & Re  
3  * &---  
4  * &---  
5  * &---  
6  REPOR  
7  *  
8  *  
9  *Declarations  
10 DATA: gt_alumno TYPE TABLE OF ZTABLA_TOMAS, "internal table  
11         ls_alumno TYPE ZTABLA_TOMAS.         "work area  
12                                                "alumno is translated in English as student  
13  
14 * Selection screen  
15 SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE TEXT-t01.
```

Program: ZPROGRAMA_TOMAS Active

Text Symbols Selection Texts List Headings

1 / 1

Sym	Text	Length	Max.
<input type="checkbox"/> T01	Selección de datos	18	28
<input type="checkbox"/>		0	
<input type="checkbox"/>		0	

1 / 3

Name	Text	DDIC Referen...
<input type="checkbox"/> P_ADD	Añadir	<input type="checkbox"/>
<input type="checkbox"/> P_ALUMNO	ALUMNO	<input checked="" type="checkbox"/>
<input type="checkbox"/> P_VIS	Visualizar	<input type="checkbox"/>

P_ALUMNO takes its description from the ALUMNO field at the Database table.