

Create_Index Subroutine

Description

Creates a Btree, Cross Reference, or Relational index for a specified column in a table. The type of index you create dictates the calling syntax.

Syntax

```
equ BTREETYPE$ to 1 Create_Index(BTREETYPE$, tablename, columnname, casemode, createmode)
equ CROSSREFTYPE$ to 2 Create_Index(CROSSREFTYPE$, tablename, columnname, casemode, createmode, delimiterlist, stoplist)
equ RELATIONALTYPE$ to 3 Create_Index(RELATIONALTYPE$, tablename, columnname, casemode, createmode, desttable, destcolumn, sortmode)
```

Parameters

The Create_Index subroutine has the following parameters; the first five parameters are identical regardless of the type of index you create. Parameters that differ by index type are defined separately in the sections that follow.

Parameter	Description								
<i>indextype</i>	<div>The value of this parameter specifies the type of index you create.<table><tr><th>Value</th><th>Description</th></tr><tr><td>1</td><td>Btree.</td></tr><tr><td>2</td><td>Cross Reference.</td></tr><tr><td>3</td><td>Relational.</td></tr></table></div>	Value	Description	1	Btree.	2	Cross Reference.	3	Relational.
Value	Description								
1	Btree.								
2	Cross Reference.								
3	Relational.								
<i>tablename</i>	The name of the table to index.								
<i>columnname</i>	The name of the column to index.								
<i>casemode</i>	<div>The case sensitivity of the index.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Creates an index that is not case-sensitive. All values are converted to uppercase in the index.</td></tr><tr><td>1</td><td>Creates a case-sensitive index. No case conversion is applied. Uppercase values saved to the index are stored in uppercase, and lowercase values saved to the index are stored in lowercase.</td></tr></table></div>	Value	Description	0	Creates an index that is not case-sensitive. All values are converted to uppercase in the index.	1	Creates a case-sensitive index. No case conversion is applied. Uppercase values saved to the index are stored in uppercase, and lowercase values saved to the index are stored in lowercase.		
Value	Description								
0	Creates an index that is not case-sensitive. All values are converted to uppercase in the index.								
1	Creates a case-sensitive index. No case conversion is applied. Uppercase values saved to the index are stored in uppercase, and lowercase values saved to the index are stored in lowercase.								
<i>createmode</i>	<div>Specifies whether to build the indexes immediately or process them at a later time.<table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>Build the index at a later time, using the Update_Index stored procedure.</td></tr><tr><td>1</td><td>Build the index immediately.</td></tr></table></div>	Value	Description	0	Build the index at a later time, using the Update_Index stored procedure.	1	Build the index immediately.		
Value	Description								
0	Build the index at a later time, using the Update_Index stored procedure.								
1	Build the index immediately.								

See Also

[Cross Reference indexes](#), [Relational indexes](#), [Btree indexes](#)

Example

The following examples show how to create indexes, programmatically.

```

declare subroutine Create_Index
declare function Get_Status
/* Create a Btree index on the column PART_NAME in the table CAR_PARTS.
Values in the index are not converted to uppercase. Indexes are not updated immediately.
The system stored procedure Update_Index can be run at a later time to update the indexes. */
Create_Index("1", "CAR_PARTS", "PART_NAME", "1", "0")
if Get_Status(ErrCodes) then
    GoSub ErrorHandling
end
/* Creates a Cross Reference index on the column TYPE_DESC in the CAR_PART_TYPES table.
All values in the index are converted to uppercase. The indexes are built immediately.
Delimiter_list is a space and a value mark.
The default stop_list is used and two additional words are added to the default list: PRICE and DESCRIPTION. */
DelimiterList = "SPACE":@fm:"VM"
StopList = "2":@fm:"PRICE":@vm:"DESCRIPTION"
Create_Index("2", "CAR_PART_TYPES", "TYPE_DESC", "0", "1",|
    DelimiterList, StopList)
/* Creates a Relational index between the CAR_PARTS table and the ORDER_INFO table.
Information in the indexes is converted to uppercase.
The index is built immediately. The sort mode for the index is TOP. */
Create_Index("3", "CAR_PARTS", "ORDER_PLACE", "0", "1",| "ORDER_INFO", "PARTS", "1")

```