# **Copy\_Row Subroutine**

# Description

Copies a row or a group of rows from one table to another.

## **Syntax**

Copy\_Row (scrtablename, scrkeylist, desttablename, destkeylist, overwriteflag, lockflag, deleteSource)

#### **Parameters**

The Copy\_Row subroutine has the following parameters.

Parameter	Description		
scrtablename	The name of the table that contains the row or rows to be copied.		
scrkeylist	A key or list of keys to copy from scrtablename to desttablename. A one-to-one correspondence must exist between scrkeylist and destkeylist.  Note: If more than one rows are to be copied, separate the keys with field marks. See the Example 2 below.		
desttablena me	Specifies the name of the table into which the rows are copied. If null, then scrtablename is used.		
destkeylist	A key or list of keys to copy from scrtablename to the keys specified in destkeylist in the desttablename table. A one-to-one correspondence must exist between destkeylist and scrkeylist. If null, then scrkeylist is used.		
overwriteflag	Specifies whether or not rows copied to a new table overwrite an existing row. The default value is 0 (no overwrites).		
	Value	Description	
	0	Prevents overwriting an existing row (default).	
	1	Only replace an existing row. If destination row does not exist, then skip this row.	
	2	Write this row, unconditionally. If the destination row exists, overwrite it.	
lockflag	Specifies whether rows are locked during the copy process. The default is 0 (no locking).		
	Value	Description	
	0	No locking during the copy process.	
	1	Lock the source & destination rows during the copy process.	
deleteSource	Specifies whether the source rows are deleted during the copy process. The default is 0 (no deletion).		
	Value	Description	
	0	The source rows are not deleted after copying.	
	1	The source rows are deleted after copying.	

Notes: Although the Copy\_Row subroutine can be called from a BASIC+ program, it is preferable to use the Read and Write statements instead. Set\_Status/Get\_Status Error handling should be used when programmatically executing the Copy\_Row routine.

#### See also

Copy\_OS\_To\_Row, Copy\_Row\_To\_OS, Delete\_Row

## Example

From the System Monitor:

This command line example shows how to copy the row 5\*5 to the key 5\*20 in the CAR\_PARTS table, overwriting any existing destination row:

```
run Copy_Row "CAR_PARTS", "5*5", "", "5*20", "2"
```

# Example 2

```
* Copying Multiple Rows from BASIC+ Program

* Copy rows with keys '1' and '2' from CUSTOMERS table to the CUSTOMERS_BACKUP table.

declare subroutine Copy_Row, Set_Status, FsMsg

declare function Get_Status

row_list = '1': @fm : '2'

Set_Status(0)

Copy_Row( "CUSTOMERS", row_list, "CUSTOMERS_BACKUP", row_list , 0, 0, 0 )

if Get_Status( errCodes ) then

FsMsg( errCodes )

end
```