

INSERT

INSERT action

Function The action inserts one or several rows into a specified structure.

Declaration

```
INSERT _struct, beforeIdx, rowsToInsert [, lastRow]
```

struct	in /out	Whole structure identifier where the row will be inserted to.
beforeIdx	in	Identifier of the Int type. The inserted row will be inserted before the row specified in this parameter.
rowsToInsert	in	Whole structure identifier or one row identifier - row(s) to insert.
lastRow	in	Optional parameter - one row identifier.

Description

The action inserts:

- a row, if *rowsToInsert* is the reference to a structure row, or
- rows (whole structure) if *rowsToInsert* is the reference to a whole structure

Inserting will be performed into the local structure *_struct* before the row given by the parameter *_beforeIdx*. If *_beforeIdx* = *_struct*\DIM+1 or *_beforeIdx* = -1, the action will insert the given row(s) in the end of the structure (append). If the value of the parameter *_beforeIdx* is different, the action will generate the error *_ERR_RANGE_ERROR*. The structures *_struct* and *rowsToInsert* must be of the same type.

If the parameter *lastRow* is used, the action will copy the source structure rows determined by the parameters *rowsToInsert* and *lastRow*. In this case both the parameters must represent a row of the same structure.

Example:

```
RECORD (SD.RecordDef) _struct
RECORD (SD.RecordDef) _rowsToInsert
INT _beforeIdx

REDIM _struct[10]
REDIM _rowsToInsert[2]


; inserting 1st row in the beginning
INSERT _struct, 1, _rowsToInsert[1]

; inserting 2nd row at the end
_beforeIdx := _struct\DIM+1
INSERT _struct, _beforeIdx , _rowsToInsert[2]

; inserting the whole structure rowsToInsert in the beginning
INSERT _struct, 1 , _rowsToInsert
```

Example 2 Inserting the 1st and 2nd rows of the structure *_rowsToInsert* at the beginning of the structure *_struct*.

```
INSERT _struct, 1, _rowsToInsert[1], _rowsToInsert[2]
```

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