

# SQL\_FETCH

## SQL\_FETCH action

Function

The action reads one or more lines of the result of an SQL command prepared by the [SQL\\_PREPARE](#) action and optionally [parameterized](#) by the [SQL\\_BINDIN](#) action.

Declaration

SQL\_FETCH

handleIdent\_Int, retCodeIdent\_Int [, maxRowsIdent\_Int]

Parameters

handleIdent_Int	in	<a href="#">Identifier</a> - the unique number (handle) of a connection.
retCodeIdent_Int	out	Return code <a href="#">identifier</a> .
maxRowsIdent_Int	in	<a href="#">Identifier</a> of the <i>Int</i> type - number of rows read at once (if not specified, the default value is 1).

Return code

The value of the parameter *transHandle\_Int*. See the table of [error codes](#). It is possible to get [extended error information](#).

Description

The action reads given number of rows and assigns their values to the local variables specified by the [SQL\\_PREPARE](#) action.

MaxRowsIdent\_Int is to be used only for the 3rd declaration type of the action [SQL\\_PREPARE](#). If the value of the parameter is other than 1 for the [declaration types 1, 2](#), or less than 1, the action generates the error [\\_ERR\\_RANGE\\_ERROR](#).

The maximum number of returned rows is limited by a Database configuration parameter [Maximum returned rows](#). If the number of available rows exceeds this limit, the local structure *\_locVarRecordIdent* specified as the parameter of action [SQL\\_PREPARE](#) will contain first [Maximum returned rows](#) and *retCodeIdent\_Int* will be set to error code [\\_ERR\\_DATABASE\\_ROWS\\_LIMIT](#).

If no row has been read, the value of the parameter *retCodeIdent\_Int* is 22 ([\\_ERR\\_NO\\_DATA](#)).

Example

[Work with a database \(actions SQL\\_ ...\)](#).

```
INT _handle      ; handle to database
INT _retCode     ; return code
TEXT _name       ; product name
TEXT _type       ; product type

SQL_CONNECT MyDatabase, _handle, _retCode
SQL_PREPARE _handle, _retCode, _sqlNpar BIND _name, _type

DO_LOOP
  SQL_FETCH _handle, _retCode
  EXIT_LOOP _retCode # _ERR_NO_ERROR
  ; data processing goes here
END_LOOP

SQL_FREE _handle
SQL_DISCONNECT _handle
```

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SQL\_SELECT

All database related actions.



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