

# SQL\_FETCH

## SQL\_FETCH action

Function	The action reads one or more rows prepared of the SQL command prepared by the action <a href="#">SQL_PREPARE</a> and optionally <a href="#">parameterized</a> by the action <a href="#">SQL_BINDIN</a> .										
Declaration	<div>SQL_FETCH</div> <div>handleIdent_Int, retCodeIdent_Int [, maxRowsIdent_Int]</div>										
Parameters	<table><tr><td>handleIdent_Int</td><td>in</td><td><a href="#">Identifier</a> - the unique number (handle) of a connection.</td></tr><tr><td>retCodeIdent_Int</td><td>out</td><td>Return code <a href="#">identifier</a>.</td></tr><tr><td>maxRowsIdent_Int</td><td>in</td><td><a href="#">Identifier</a>, which value limits the number of rows read. If is not entered, default value is 1.</td></tr></table>		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> , which value limits the number of rows read. If is not entered, default value is 1.
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> , which value limits the number of rows read. If is not entered, default value is 1.									
Return code	The value of the parameter <i>transHandle_Int</i> . See the table of <a href="#">error codes</a> . It is possible to get <a href="#">extended error information</a> .										
Description	<p>The action reads given number of rows and assigns their values to the local variables specified by the action <a href="#">SQL_PREPARE</a>.</p> <p>MaxRowsIdent_Int is to be used only for the 3rd declaration type of the action <a href="#">SQL_PREPARE</a>. If the value of the parameter is other than 1 for the <a href="#">declaration types 1, 2</a>, or less than 1, the action generates the error <a href="#">_ERR_RANGE_ERROR</a>.</p> <p>Maximum number of returned rows is limited by a Database configuration parameter <a href="#">Maximum returned rows</a>. If number of available rows exceeds this limit, the local structure <i>_locVarRecordIdent</i> specified as parameter of action <a href="#">SQL_PREPARE</a> will contain first <a href="#">Maximum returned rows</a> and <i>retCodeIdent_Int</i> will be set to error code <a href="#">_ERR_DATABASE_ROWS_LIMIT</a>.</p> <p>If no row has been read, the value of the parameter <i>retCodeIdent_Int</i> is 22 (<a href="#">_ERR_NO_DATA</a>).</p>										
Example	<a href="#">Work with a database (actions SQL_ ...)</a> .										

```
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
```

Related topics	<a href="#">DB_TRANS_OPEN</a> <a href="#">DB_TRANS_COMMIT</a> <a href="#">DB_TRANS_ROLLBACK</a> <a href="#">DB_TRANS_CLOSE</a>  <a href="#">SQL_CONNECT</a> <a href="#">SQL_DISCONNECT</a> <a href="#">SQL_EXEC_DIRECT</a> <a href="#">SQL_EXEC_PROC</a>  <a href="#">SQL_PREPARE</a> <a href="#">SQL_BINDIN</a> <a href="#">SQL_FREE</a>  <a href="#">SQL_SELECT</a>
----------------	---

All database related actions.



**Related pages:**

[Script actions](#)