

- Close prepared statements (always happens with PHP)
- Close handler
- Release locks acquired with `GET_LOCK`

This ensures that persistent connections are in a clean state on return from the connection pool, before the client process uses them.

The `mysqli` extension does this cleanup by automatically calling the C-API function `mysql_change_user()`.

The automatic cleanup feature has advantages and disadvantages though. The advantage is that the programmer no longer needs to worry about adding cleanup code, as it is called automatically. However, the disadvantage is that the code could *potentially* be a little slower, as the code to perform the cleanup needs to run each time a connection is returned from the connection pool.

It is possible to switch off the automatic cleanup code, by compiling PHP with `MYSQLI_NO_CHANGE_USER_ON_PCONNECT` defined.

**Note**

The `mysqli` extension supports persistent connections when using either MySQL Native Driver or MySQL Client Library.

## 3.6 Predefined Constants

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The constants below are defined by this extension, and will only be available when the extension has either been compiled into PHP or dynamically loaded at runtime.

<code>MYSQLI_READ_DEFAULT_GROUP</code>	Read options from the named group from <code>my.cnf</code> or the file specified with <code>MYSQLI_READ_DEFAULT_FILE</code>
<code>MYSQLI_READ_DEFAULT_FILE</code>	Read options from the named option file instead of from <code>my.cnf</code>
<code>MYSQLI_OPT_CONNECT_TIMEOUT</code>	Connect timeout in seconds
<code>MYSQLI_OPT_LOCAL_INFILE</code>	Enables command <code>LOAD LOCAL INFILE</code>
<code>MYSQLI_INIT_COMMAND</code>	Command to execute when connecting to MySQL server. Will automatically be re-executed when reconnecting.
<code>MYSQLI_CLIENT_SSL</code>	Use SSL (encrypted protocol). This option should not be set by application programs; it is set internally in the MySQL client library
<code>MYSQLI_CLIENT_COMPRESS</code>	Use compression protocol
<code>MYSQLI_CLIENT_INTERACTIVE</code>	Allow <code>interactive_timeout</code> seconds (instead of <code>wait_timeout</code> seconds) of inactivity before closing the connection. The client's session <code>wait_timeout</code> variable will be set to the value of the session <code>interactive_timeout</code> variable.
<code>MYSQLI_CLIENT_IGNORE_SPACE</code>	Allow spaces after function names. Makes all functions names reserved words.
<code>MYSQLI_CLIENT_NO_SCHEMA</code>	Don't allow the <code>db_name.tbl_name.col_name</code> syntax.

## Predefined Constants

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<code>MYSQLI_CLIENT_MULTI_QUERIES</code>	Allows multiple semicolon-delimited queries in a single <code>mysqli_query</code> call.
<code>MYSQLI_STORE_RESULT</code>	For using buffered resultsets
<code>MYSQLI_USE_RESULT</code>	For using unbuffered resultsets
<code>MYSQLI_ASSOC</code>	Columns are returned into the array having the fieldname as the array index.
<code>MYSQLI_NUM</code>	Columns are returned into the array having an enumerated index.
<code>MYSQLI_BOTH</code>	Columns are returned into the array having both a numerical index and the fieldname as the associative index.
<code>MYSQLI_NOT_NULL_FLAG</code>	Indicates that a field is defined as <code>NOT NULL</code>
<code>MYSQLI_PRI_KEY_FLAG</code>	Field is part of a primary index
<code>MYSQLI_UNIQUE_KEY_FLAG</code>	Field is part of a unique index.
<code>MYSQLI_MULTIPLE_KEY_FLAG</code>	Field is part of an index.
<code>MYSQLI_BLOB_FLAG</code>	Field is defined as <code>BLOB</code>
<code>MYSQLI_UNSIGNED_FLAG</code>	Field is defined as <code>UNSIGNED</code>
<code>MYSQLI_ZEROFILL_FLAG</code>	Field is defined as <code>ZEROFILL</code>
<code>MYSQLI_AUTO_INCREMENT_FLAG</code>	Field is defined as <code>AUTO_INCREMENT</code>
<code>MYSQLI_TIMESTAMP_FLAG</code>	Field is defined as <code>TIMESTAMP</code>
<code>MYSQLI_SET_FLAG</code>	Field is defined as <code>SET</code>
<code>MYSQLI_NUM_FLAG</code>	Field is defined as <code>NUMERIC</code>
<code>MYSQLI_PART_KEY_FLAG</code>	Field is part of an multi-index
<code>MYSQLI_GROUP_FLAG</code>	Field is part of <code>GROUP BY</code>
<code>MYSQLI_TYPE_DECIMAL</code>	Field is defined as <code>DECIMAL</code>
<code>MYSQLI_TYPE_NEWDECIMAL</code>	Precision math <code>DECIMAL</code> or <code>NUMERIC</code> field (MySQL 5.0.3 and up)
<code>MYSQLI_TYPE_BIT</code>	Field is defined as <code>BIT</code> (MySQL 5.0.3 and up)
<code>MYSQLI_TYPE_TINY</code>	Field is defined as <code>TINYINT</code>
<code>MYSQLI_TYPE_SHORT</code>	Field is defined as <code>SMALLINT</code>
<code>MYSQLI_TYPE_LONG</code>	Field is defined as <code>INT</code>
<code>MYSQLI_TYPE_FLOAT</code>	Field is defined as <code>FLOAT</code>
<code>MYSQLI_TYPE_DOUBLE</code>	Field is defined as <code>DOUBLE</code>
<code>MYSQLI_TYPE_NULL</code>	Field is defined as <code>DEFAULT NULL</code>
<code>MYSQLI_TYPE_TIMESTAMP</code>	Field is defined as <code>TIMESTAMP</code>
<code>MYSQLI_TYPE_LONGLONG</code>	Field is defined as <code>BIGINT</code>

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## Predefined Constants

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<code>MYSQLI_TYPE_INT24</code>	Field is defined as <code>MEDIUMINT</code>
<code>MYSQLI_TYPE_DATE</code>	Field is defined as <code>DATE</code>
<code>MYSQLI_TYPE_TIME</code>	Field is defined as <code>TIME</code>
<code>MYSQLI_TYPE_DATETIME</code>	Field is defined as <code>DATETIME</code>
<code>MYSQLI_TYPE_YEAR</code>	Field is defined as <code>YEAR</code>
<code>MYSQLI_TYPE_NEWDATE</code>	Field is defined as <code>DATE</code>
<code>MYSQLI_TYPE_INTERVAL</code>	Field is defined as <code>INTERVAL</code>
<code>MYSQLI_TYPE_ENUM</code>	Field is defined as <code>ENUM</code>
<code>MYSQLI_TYPE_SET</code>	Field is defined as <code>SET</code>
<code>MYSQLI_TYPE_TINY_BLOB</code>	Field is defined as <code>TINYBLOB</code>
<code>MYSQLI_TYPE_MEDIUM_BLOB</code>	Field is defined as <code>MEDIUMBLOB</code>
<code>MYSQLI_TYPE_LONG_BLOB</code>	Field is defined as <code>LOB</code>
<code>MYSQLI_TYPE_BLOB</code>	Field is defined as <code>BLOB</code>
<code>MYSQLI_TYPE_VAR_STRING</code>	Field is defined as <code>VARCHAR</code>
<code>MYSQLI_TYPE_STRING</code>	Field is defined as <code>CHAR</code> or <code>BINARY</code>
<code>MYSQLI_TYPE_CHAR</code>	Field is defined as <code>TINYINT</code> . For <code>CHAR</code> , see <code>MYSQLI_TYPE_STRING</code>
<code>MYSQLI_TYPE_GEOMETRY</code>	Field is defined as <code>GEOMETRY</code>
<code>MYSQLI_NEED_DATA</code>	More data available for bind variable
<code>MYSQLI_NO_DATA</code>	No more data available for bind variable
<code>MYSQLI_DATA_TRUNCATED</code>	Data truncation occurred. Available since PHP 5.1.0 and MySQL 5.0.5.
<code>MYSQLI_ENUM_FLAG</code>	Field is defined as <code>ENUM</code> . Available since PHP 5.3.0.
<code>MYSQLI_BINARY_FLAG</code>	Field is defined as <code>BINARY</code> . Available since PHP 5.3.0.
<code>MYSQLI_CURSOR_TYPE_FOR_UPDATE</code>	
<code>MYSQLI_CURSOR_TYPE_NO_CURSOR</code>	
<code>MYSQLI_CURSOR_TYPE_READ_ONLY</code>	
<code>MYSQLI_CURSOR_TYPE_SCROLLABLE</code>	
<code>MYSQLI_STMT_ATTR_CURSOR_TYPE</code>	
<code>MYSQLI_STMT_ATTR_PREFETCH_ROWS</code>	
<code>MYSQLI_STMT_ATTR_UPDATE_MAX_LENGTH</code>	
<code>MYSQLI_SET_CHARSET_NAME</code>	
<code>MYSQLI_REPORT_INDEX</code>	Report if no index or bad index was used in a query.

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<code>MYSQLI_REPORT_ERROR</code>	Report errors from <code>mysqli</code> function calls.
<code>MYSQLI_REPORT_STRICT</code>	Throw a <code>mysqli_sql_exception</code> for errors instead of warnings.
<code>MYSQLI_REPORT_ALL</code>	Set all options on (report all).
<code>MYSQLI_REPORT_OFF</code>	Turns reporting off.
<code>MYSQLI_DEBUG_TRACE_ENABLED</code>	Is set to 1 if <code>mysqli_debug</code> functionality is enabled.
<code>MYSQLI_SERVER_QUERY_NO_GOOD_INDEX_USED</code>	
<code>MYSQLI_SERVER_QUERY_NO_INDEX_USED</code>	
<code>MYSQLI_REFRESH_GRANT</code>	Refreshes the grant tables.
<code>MYSQLI_REFRESH_LOG</code>	Flushes the logs, like executing the <code>FLUSH LOGS</code> SQL statement.
<code>MYSQLI_REFRESH_TABLES</code>	Flushes the table cache, like executing the <code>FLUSH TABLES</code> SQL statement.
<code>MYSQLI_REFRESH_HOSTS</code>	Flushes the host cache, like executing the <code>FLUSH HOSTS</code> SQL statement.
<code>MYSQLI_REFRESH_STATUS</code>	Reset the status variables, like executing the <code>FLUSH STATUS</code> SQL statement.
<code>MYSQLI_REFRESH_THREADS</code>	Flushes the thread cache.
<code>MYSQLI_REFRESH_SLAVE</code>	On a slave replication server: resets the master server information, and restarts the slave. Like executing the <code>RESET SLAVE</code> SQL statement.
<code>MYSQLI_REFRESH_MASTER</code>	On a master replication server: removes the binary log files listed in the binary log index, and truncates the index file. Like executing the <code>RESET MASTER</code> SQL statement.
<code>MYSQLI_TRANS_COR_AND_CHAIN</code>	Appends "AND CHAIN" to <code>mysqli_commit</code> or <code>mysqli_rollback</code> .
<code>MYSQLI_TRANS_COR_AND_NO_CHAIN</code>	Appends "AND NO CHAIN" to <code>mysqli_commit</code> or <code>mysqli_rollback</code> .
<code>MYSQLI_TRANS_COR_RELEASE</code>	Appends "RELEASE" to <code>mysqli_commit</code> or <code>mysqli_rollback</code> .
<code>MYSQLI_TRANS_COR_NO_RELEASE</code>	Appends "NO RELEASE" to <code>mysqli_commit</code> or <code>mysqli_rollback</code> .

## 3.7 Notes

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Some implementation notes:

1. Support was added for `MYSQL_TYPE_GEOMETRY` to the MySQLi extension in PHP 5.3.
2. Note there are different internal implementations within `libmysqlclient` and `mysqlnd` for handling columns of type `MYSQL_TYPE_GEOMETRY`. Generally speaking, `mysqlnd` will allocate significantly less memory. For example, if there is a `POINT` column in a result set, `libmysqlclient` may pre-allocate up to 4GB of RAM although less than 50 bytes are needed for holding a `POINT` column in memory. Memory allocation is much lower, less than 50 bytes, if using `mysqlnd`.

## 3.8 The MySQLi Extension Function Summary

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**Table 3.5 Summary of `mysqli` methods**

<b>mysqli Class</b>			
<b>OOP Interface</b>	<b>Procedural Interface</b>	<b>Alias (Do not use)</b>	<b>Description</b>
<i>Properties</i>			
<code>\$mysqli::affected_rows</code>	<code>mysqli_affected_rows</code>	N/A	Gets the number of affected rows in a previous MySQL operation
<code>\$mysqli::client_info</code>	<code>mysqli_get_client_info</code>	N/A	Returns the MySQL client version as a string
<code>\$mysqli::client_version</code>	<code>mysqli_get_client_version</code>	N/A	Returns MySQL client version info as an integer
<code>\$mysqli::connect_errno</code>	<code>mysqli_connect_errno</code>	N/A	Returns the error code from last connect call
<code>\$mysqli::connect_error</code>	<code>mysqli_connect_error</code>	N/A	Returns a string description of the last connect error
<code>\$mysqli::errno</code>	<code>mysqli_errno</code>	N/A	Returns the error code for the most recent function call
<code>\$mysqli::error</code>	<code>mysqli_error</code>	N/A	Returns a string description of the last error
<code>\$mysqli::field_count</code>	<code>mysqli_field_count</code>	N/A	Returns the number of columns for the most recent query
<code>\$mysqli::host_info</code>	<code>mysqli_get_host_info</code>	N/A	Returns a string representing the type of connection used
<code>\$mysqli::protocol_version</code>	<code>mysqli_get_proto_info</code>	N/A	Returns the version of the MySQL protocol used
<code>\$mysqli::server_info</code>	<code>mysqli_get_server_info</code>	N/A	Returns the version of the MySQL server
<code>\$mysqli::server_version</code>	<code>mysqli_get_server_version</code>	N/A	Returns the version of the MySQL server as an integer
<code>\$mysqli::info</code>	<code>mysqli_info</code>	N/A	Retrieves information about the most recently executed query
<code>\$mysqli::insert_id</code>	<code>mysqli_insert_id</code>	N/A	Returns the auto generated id used in the last query

## The MySQLi Extension Function Summary

mysqli Class			
OOP Interface	Procedural Interface	Alias (Do not use)	Description
<code>\$mysqli::sqlstate</code>	<code>mysqli_sqlstate</code>	N/A	Returns the SQLSTATE error from previous MySQL operation
<code>\$mysqli::warning_count</code>	<code>mysqli_warning_count</code>	N/A	Returns the number of warnings from the last query for the given link
<i>Methods</i>			
<code>mysqli::autocommit</code>	<code>mysqli_autocommit</code>	N/A	Turns on or off auto-committing database modifications
<code>mysqli::change_user</code>	<code>mysqli_change_user</code>	N/A	Changes the user of the specified database connection
<code>mysqli::character_set_name</code> <code>mysqli::client_encoding</code>	<code>mysqli_character_set_name</code> <code>mysqli_client_encoding</code>	<code>mysqli_client_encoding</code>	Returns the default character set for the database connection
<code>mysqli::close</code>	<code>mysqli_close</code>	N/A	Closes a previously opened database connection
<code>mysqli::commit</code>	<code>mysqli_commit</code>	N/A	Commits the current transaction
<code>mysqli::__construct</code>	<code>mysqli_connect</code>	N/A	Open a new connection to the MySQL server [Note: static (i.e. class) method]
<code>mysqli::debug</code>	<code>mysqli_debug</code>	N/A	Performs debugging operations
<code>mysqli::dump_debug_info</code>	<code>mysqli_dump_debug_info</code>	N/A	Dump debugging information into the log
<code>mysqli::get_charset</code>	<code>mysqli_get_charset</code>	N/A	Returns a character set object
<code>mysqli::get_connection_stats</code>	<code>mysqli_get_connection_stats</code>	N/A	Returns client connection statistics. Available only with <a href="#">mysqlind</a> .
<code>mysqli::get_client_info</code>	<code>mysqli_get_client_info</code>	N/A	Returns the MySQL client version as a string
<code>mysqli::get_client_stats</code>	<code>mysqli_get_client_stats</code>	N/A	Returns client per-process statistics. Available only with <a href="#">mysqlind</a> .
<code>mysqli::get_cache_stats</code>	<code>mysqli_get_cache_stats</code>	N/A	Returns client Zval cache statistics. Available only with <a href="#">mysqlind</a> .
<code>mysqli::get_server_info</code>	<code>mysqli_get_server_info</code>	N/A	NOT DOCUMENTED

## The MySQLi Extension Function Summary

<b>mysqli Class</b>			
<b>OOP Interface</b>	<b>Procedural Interface</b>	<b>Alias (Do not use)</b>	<b>Description</b>
<code>mysqli::get_warnings</code>	<code>mysqli_get_warnings</code>	N/A	NOT DOCUMENTED
<code>mysqli::init</code>	<code>mysqli_init</code>	N/A	Initializes MySQLi and returns a resource for use with <code>mysqli_real_connect</code> . [Not called on an object, as it returns a \$mysqli object.]
<code>mysqli::kill</code>	<code>mysqli_kill</code>	N/A	Asks the server to kill a MySQL thread
<code>mysqli::more_results</code>	<code>mysqli_more_results</code>	N/A	Check if there are any more query results from a multi query
<code>mysqli::multi_query</code>	<code>mysqli_multi_query</code>	N/A	Performs a query on the database
<code>mysqli::next_result</code>	<code>mysqli_next_result</code>	N/A	Prepare next result from multi_query
<code>mysqli::options</code>	<code>mysqli_options</code>	<code>mysqli_set_opt</code>	Set options
<code>mysqli::ping</code>	<code>mysqli_ping</code>	N/A	Pings a server connection, or tries to reconnect if the connection has gone down
<code>mysqli::prepare</code>	<code>mysqli_prepare</code>	N/A	Prepare an SQL statement for execution
<code>mysqli::query</code>	<code>mysqli_query</code>	N/A	Performs a query on the database
<code>mysqli::real_connect</code>	<code>mysqli_real_connect</code>	N/A	Opens a connection to a mysql server
<code>mysqli::real_escape_string</code> <code>mysqli::escape_string</code>	<code>mysqli_real_escape_string</code> <code>mysqli_escape_string</code>		Escapes special characters in a string for use in an SQL statement, taking into account the current charset of the connection
<code>mysqli::real_query</code>	<code>mysqli_real_query</code>	N/A	Execute an SQL query
<code>mysqli::refresh</code>	<code>mysqli_refresh</code>	N/A	Flushes tables or caches, or resets the replication server information
<code>mysqli::rollback</code>	<code>mysqli_rollback</code>	N/A	Rolls back current transaction
<code>mysqli::select_db</code>	<code>mysqli_select_db</code>	N/A	Selects the default database for database queries

mysqli Class			
OOP Interface	Procedural Interface	Alias (Do not use)	Description
<code>mysqli::set_charset</code>	<code>mysqli_set_charset</code>	N/A	Sets the default client character set
<code>mysqli::set_local_infile_handler</code>	<code>mysqli_set_local_infile_handler</code>	N/A	Unsets user defined handler for load local infile command
<code>mysqli::set_local_infile_handler</code>	<code>mysqli_set_local_infile_handler</code>	N/A	Set callback function for LOAD DATA LOCAL INFILE command
<code>mysqli::ssl_set</code>	<code>mysqli_ssl_set</code>	N/A	Used for establishing secure connections using SSL
<code>mysqli::stat</code>	<code>mysqli_stat</code>	N/A	Gets the current system status
<code>mysqli::stmt_init</code>	<code>mysqli_stmt_init</code>	N/A	Initializes a statement and returns an object for use with <code>mysqli_stmt_prepare</code>
<code>mysqli::store_result</code>	<code>mysqli_store_result</code>	N/A	Transfers a result set from the last query
<code>mysqli::thread_id</code>	<code>mysqli_thread_id</code>	N/A	Returns the thread ID for the current connection
<code>mysqli::thread_safe</code>	<code>mysqli_thread_safe</code>	N/A	Returns whether thread safety is given or not
<code>mysqli::use_result</code>	<code>mysqli_use_result</code>	N/A	Initiate a result set retrieval

**Table 3.6 Summary of `mysqli_stmt` methods**

MySQL_STMT			
OOP Interface	Procedural Interface	Alias (Do not use)	Description
<i>Properties</i>			
<code>\$mysqli_stmt::affected_rows</code>	<code>mysqli_stmt_affected_rows</code>	N/A	Returns the total number of rows changed, deleted, or inserted by the last executed statement
<code>\$mysqli_stmt::errno</code>	<code>mysqli_stmt_errno</code>	N/A	Returns the error code for the most recent statement call
<code>\$mysqli_stmt::error</code>	<code>mysqli_stmt_error</code>	N/A	Returns a string description for last statement error
<code>\$mysqli_stmt::field_count</code>	<code>mysqli_stmt_field_count</code>	N/A	Returns the number of field in the given statement - not documented



## The MySQLi Extension Function Summary

<b>MySQL_STMT</b>			
<b>OOP Interface</b>	<b>Procedural Interface</b>	<b>Alias (Do not use)</b>	<b>Description</b>
<code>\$mysqli_stmt::insert_id</code>	<code>mysqli_stmt_insert_id</code>	N/A	Get the ID generated from the previous INSERT operation
<code>\$mysqli_stmt::num_rows</code>	<code>mysqli_stmt_num_rows</code>	N/A	Return the number of rows in statements result set
<code>\$mysqli_stmt::param_count</code>	<code>mysqli_stmt_param_count</code>	<code>mysqli_param_count</code>	Returns the number of parameter for the given statement
<code>\$mysqli_stmt::sqlstate</code>	<code>mysqli_stmt_sqlstate</code>	N/A	Returns SQLSTATE error from previous statement operation
<i>Methods</i>			
<code>mysqli_stmt::attr_get</code>	<code>mysqli_stmt_attr_get</code>	N/A	Used to get the current value of a statement attribute
<code>mysqli_stmt::attr_set</code>	<code>mysqli_stmt_attr_set</code>	N/A	Used to modify the behavior of a prepared statement
<code>mysqli_stmt::bind_param</code>	<code>mysqli_stmt_bind_param</code>	<code>mysqli_bind_param</code>	Binds variables to a prepared statement as parameters
<code>mysqli_stmt::bind_result</code>	<code>mysqli_stmt_bind_result</code>	<code>mysqli_bind_result</code>	Binds variables to a prepared statement for result storage
<code>mysqli_stmt::close</code>	<code>mysqli_stmt_close</code>	N/A	Closes a prepared statement
<code>mysqli_stmt::data_seek</code>	<code>mysqli_stmt_data_seek</code>	N/A	Seeks to an arbitrary row in statement result set
<code>mysqli_stmt::execute</code>	<code>mysqli_stmt_execute</code>	<code>mysqli_execute</code>	Executes a prepared Query
<code>mysqli_stmt::fetch</code>	<code>mysqli_stmt_fetch</code>	<code>mysqli_fetch</code>	Fetch results from a prepared statement into the bound variables
<code>mysqli_stmt::free_result</code>	<code>mysqli_stmt_free_result</code>	N/A	Frees stored result memory for the given statement handle
<code>mysqli_stmt::get_result</code>	<code>mysqli_stmt_get_result</code>	N/A	Gets a result set from a prepared statement. Available only with <a href="#">mysqlind</a> .
<code>mysqli_stmt::get_warnings</code>	<code>mysqli_stmt_get_warnings</code>	N/A	NOT DOCUMENTED

MySQL_STMT			
OOP Interface	Procedural Interface	Alias (Do not use)	Description
<code>\$mysqli_stmt::more_results()</code>	<code>mysqli_stmt_more_results()</code>	N/A	NOT DOCUMENTED Available only with <a href="#">mysqli</a> .
<code>\$mysqli_stmt::next_result()</code>	<code>mysqli_stmt_next_result()</code>	N/A	NOT DOCUMENTED Available only with <a href="#">mysqli</a> .
<code>mysqli_stmt::num_rows</code>	<code>mysqli_stmt_num_rows</code>	N/A	See also property <a href="#">\$mysqli_stmt::num_rows</a>
<code>mysqli_stmt::prepare</code>	<code>mysqli_stmt_prepare</code>	N/A	Prepare an SQL statement for execution
<code>mysqli_stmt::reset</code>	<code>mysqli_stmt_reset</code>	N/A	Resets a prepared statement
<code>mysqli_stmt::result_metadata</code>	<code>mysqli_stmt_result_metadata</code>	<code>mysqli_get_metadata</code>	Returns result set metadata from a prepared statement
<code>mysqli_stmt::send_long_data</code>	<code>mysqli_stmt_send_long_data</code>	<code>mysqli_send_long_data</code>	Send data in blocks
<code>mysqli_stmt::store_result</code>	<code>mysqli_stmt_store_result</code>	N/A	Transfers a result set from a prepared statement

Table 3.7 Summary of `mysqli_result` methods

mysqli_result			
OOP Interface	Procedural Interface	Alias (Do not use)	Description
<i>Properties</i>			
<a href="#">\$mysqli_result::current_field</a>	<code>mysqli_field_tell</code>	N/A	Get current field offset of a result pointer
<a href="#">\$mysqli_result::field_count</a>	<code>mysqli_num_fields</code>	N/A	Get the number of fields in a result
<a href="#">\$mysqli_result::lengths</a>	<code>mysqli_fetch_lengths</code>	N/A	Returns the lengths of the columns of the current row in the result set
<a href="#">\$mysqli_result::num_rows</a>	<code>mysqli_num_rows</code>	N/A	Gets the number of rows in a result
<i>Methods</i>			
<code>mysqli_result::data_seek</code>	<code>mysqli_data_seek</code>	N/A	Adjusts the result pointer to an arbitrary row in the result
<code>mysqli_result::fetch</code>	<code>mysqli_fetch_all</code>	N/A	Fetches all result rows and returns the result set as an associative array, a numeric array, or both. Available only with <a href="#">mysqli</a> .

<b>mysqli_result</b>			
<b>OOP Interface</b>	<b>Procedural Interface</b>	<b>Alias (Do not use)</b>	<b>Description</b>
<code>mysqli_result::fetch</code>	<code>mysqli_fetch_array</code>	N/A	Fetch a result row as an associative, a numeric array, or both
<code>mysqli_result::fetch_assoc</code>	<code>mysqli_fetch_assoc</code>	N/A	Fetch a result row as an associative array
<code>mysqli_result::fetch_field_direct</code>	<code>mysqli_fetch_field_direct</code>	N/A	Fetch meta-data for a single field
<code>mysqli_result::fetch_field</code>	<code>mysqli_fetch_field</code>	N/A	Returns the next field in the result set
<code>mysqli_result::fetch_fields</code>	<code>mysqli_fetch_fields</code>	N/A	Returns an array of objects representing the fields in a result set
<code>mysqli_result::fetch_object</code>	<code>mysqli_fetch_object</code>	N/A	Returns the current row of a result set as an object
<code>mysqli_result::fetch_row</code>	<code>mysqli_fetch_row</code>	N/A	Get a result row as an enumerated array
<code>mysqli_result::field_seek</code>	<code>mysqli_field_seek</code>	N/A	Set result pointer to a specified field offset
<code>mysqli_result::free</code> , <code>mysqli_result::close</code> , <code>mysqli_result::free_result</code>	<code>mysqli_free_result</code>	N/A	Frees the memory associated with a result

Table 3.8 Summary of `mysqli_driver` methods

<b>MySQL_Driver</b>			
<b>OOP Interface</b>	<b>Procedural Interface</b>	<b>Alias (Do not use)</b>	<b>Description</b>
<i>Properties</i>			
N/A			
<i>Methods</i>			
<code>mysqli_driver::embed</code>	<code>mysqli_embedded_server_end</code>	N/A	NOT DOCUMENTED
<code>mysqli_driver::embed</code>	<code>mysqli_embedded_server_start</code>	N/A	NOT DOCUMENTED

**Note**

Alias functions are provided for backward compatibility purposes only. Do not use them in new projects.

## 3.9 The mysqli class

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Represents a connection between PHP and a MySQL database.

```
mysqli {
```