query

mysqli::query

mysqli_query

Performs a query on the database

ENTITY

ENTITY

public

mysqli_result

bool

mysqli::query

string

query

int

result_mode

MYSQLI_STORE_RESULT

ENTITY

mysqli_result

bool

mysqli_query

mysqli

mysql

string

query

int

result_mode

MYSQLI_STORE_RESULT

Performs a `query` against the database.

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For non-DML queries (not INSERT, UPDATE or DELETE), this function is similar to calling `mysqli_real_query` followed by either `mysqli_use_result` or `mysqli_store_result`.

> [!NOTE] In the case where a statement is passed to `mysqli_query` that is longer than `max_allowed_packet` of the server, the returned error codes are different depending on whether you are using MySQL Native Driver (`mysqlnd`) or MySQL Client Library (`libmysqlclient`). The behavior is as follows:
>
> - `mysqlnd` on Linux returns an error code of 1153. The error message means “got a packet bigger than `max_allowed_packet` bytes”.
> - `mysqlnd` on Windows returns an error code 2006. This error message means “server has gone away”.
> - `libmysqlclient` on all platforms returns an error code 2006. This error message means “server has gone away”.

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`query`
The query string.

`result_mode`
The result mode can be one of 3 constants indicating how the result will be returned from the MySQL server.

`MYSQLI_STORE_RESULT` (default) - returns a `mysqli_result` object with buffered result set.

`MYSQLI_USE_RESULT` - returns a `mysqli_result` object with unbuffered result set. As long as there are pending records waiting to be fetched, the connection line will be busy and all subsequent calls will return error `Commands out of sync`. To avoid the error all records must be fetched from the server or the result set must be discarded by calling `mysqli_free_result`.

`MYSQLI_ASYNC` (available with mysqlnd) - the query is performed asynchronously and no result set is immediately returned. `mysqli_poll` is then used to get results from such queries. Used in combination with either `MYSQLI_STORE_RESULT` or `MYSQLI_USE_RESULT` constant.

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Returns ENTITY on failure. For successful queries which produce a result set, such as `SELECT, SHOW, DESCRIBE` or `EXPLAIN`, `mysqli_query` will return a `mysqli_result` object. For other successful queries, `mysqli_query` will return ENTITY.

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8.4.0	When connecting to MySQL 8.0.24 or later, the error code reported for a server wait timeout is now `4031` (`ER_CLIENT_INTERACTION_TIMEOUT`) instead of `2006` (`CR_SERVER_GONE_ERROR`).

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mysqli::query example

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```
<?php

mysqli_report(MYSQLI_REPORT_ERROR | MYSQLI_REPORT_STRICT);
$mysqli = new mysqli("localhost", "my_user", "my_password", "world");

/* Create table doesn't return a resultset */
$mysqli->query("CREATE TEMPORARY TABLE myCity LIKE City");
printf("Table myCity successfully created.\n");

/* Select queries return a resultset */
$result = $mysqli->query("SELECT Name FROM City LIMIT 10");
printf("Select returned %d rows.\n", $result->num_rows);
```

```
/* If we have to retrieve large amount of data we use MYSQLI_USE_RESULT */
$result = $mysqli->query("SELECT * FROM City", MYSQLI_USE_RESULT);

/* Note, that we can't execute any functions which interact with the
    server until all records have been fully retrieved or the result
    set was closed. All calls will return an 'out of sync' error */
$mysqli->query("SET @a:='this will not work'");
```

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```
<?php

mysqli_report(MYSQLI_REPORT_ERROR | MYSQLI_REPORT_STRICT);
$link = mysqli_connect("localhost", "my_user", "my_password", "world");

/* Create table doesn't return a resultset */
mysqli_query($link, "CREATE TEMPORARY TABLE myCity LIKE City");
printf("Table myCity successfully created.\n");

/* Select queries return a resultset */
$result = mysqli_query($link, "SELECT Name FROM City LIMIT 10");
printf("Select returned %d rows.\n", mysqli_num_rows($result));

/* If we have to retrieve large amount of data we use MYSQLI_USE_RESULT */
$result = mysqli_query($link, "SELECT * FROM City", MYSQLI_USE_RESULT);

/* Note, that we can't execute any functions which interact with the
    server until all records have been fully retrieved or the result
    set was closed. All calls will return an 'out of sync' error */
mysqli_query($link, "SET @a:='this will not work'");
```

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```
Table myCity successfully created.
Select returned 10 rows.
```

```
Fatal error: Uncaught mysqli_sql_exception: Commands out of sync; you can't run this command now in...
```

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`mysqli_execute_query`, `mysqli_real_query`, `mysqli_multi_query`, `mysqli_prepare`, `mysqli_free_result`

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