prepare

mysqli_stmt::prepare

mysqli_stmt_prepare

Prepares an SQL statement for execution

ENTITY

ENTITY

public

bool

mysqli_stmt::prepare

string

query

ENTITY

bool

mysqli_stmt_prepare

mysqli_stmt

statement

string

query

Prepares a statement for execution. The query must consist of a single SQL statement.

The statement template can contain zero or more question mark (`?`) parameter markers—also called placeholders. The parameter markers must be bound to application variables using `mysqli_stmt_bind_param` before executing the statement.

> In the case where a statement is passed to `mysqli_stmt_prepare` 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, as a string. It must consist of a single SQL statement.

The SQL statement may contain zero or more parameter markers represented by question mark (`?`) characters at the appropriate positions.

> The markers are legal only in certain places in SQL statements. For example, they are permitted in the `VALUES()` list of an `INSERT` statement (to specify column values for a row), or in a comparison with a column in a `WHERE` clause to specify a comparison value. However, they are not permitted for identifiers (such as table or column names).

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mysqli_stmt::prepare example

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```php
<?php

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

$city = "Amersfoort";

/* create a prepared statement */
$stmt = $mysqli->stmt_init();
$stmt->prepare("SELECT District FROM City WHERE Name=?");

/* bind parameters for markers */
$stmt->bind_param("s", $city);

/* execute query */
$stmt->execute();

/* bind result variables */
$stmt->bind_result($district);

/* fetch value */
$stmt->fetch();

printf("%s is in district %s\n", $city, $district);
```

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```php
<?php

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

$city = "Amersfoort";

/* create a prepared statement */
$stmt = mysqli_stmt_init($link);
mysqli_stmt_prepare($stmt, "SELECT District FROM City WHERE Name=?");
```

```
/* bind parameters for markers */
mysqli_stmt_bind_param($stmt, "s", $city);

/* execute query */
mysqli_stmt_execute($stmt);

/* bind result variables */
mysqli_stmt_bind_result($stmt, $district);

/* fetch value */
mysqli_stmt_fetch($stmt);

printf("%s is in district %s\n", $city, $district);
```

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```
Amersfoort is in district Utrecht
```

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`mysqli_stmt_init`, `mysqli_stmt_execute`, `mysqli_stmt_fetch`, `mysqli_stmt_bind_param`, `mysqli_stmt_bind_result`, `mysqli_stmt_get_result`, `mysqli_stmt_close`

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