PHP MySQLi Procedural Cheat Sheet

by Ajay Kumar B via cheatography.com/30523/cs/9105/

Opening a connection to MySQL

```
Syntax:
mysqli _co nne ct( hos t,u ser nam e,p ass wor -
d,d bna me, por t,s ocket);
Returns an object repres enting the connection to
the MySQL server.
Example:
$conn = mysqli _co nne ct( " loc alh ost " ,"my -
_us er", " my_ pas swo rd", " my_ db");
```

mysqli_error()

```
Return the last error description for the most
recent function call, if any.
Syntax:
mysqli _er ror (co nne ction);
Example;
echo("Error descri ption: " . mysqli _er ror ($c -
onn));
```

Creating a Databasse

```
// Create connection
$conn = mysqli _co nne ct( $se rve rname,
$username, $passw ord);
// Check connection
if (!$conn) {
        die ("Co nne ction failed: " . mysqli _co -
nne ct_ err or());
}
// Create database
$sql = " CREATE DATABASE myDB";
if (mysql i_q uer y($ conn, $sql)) {
       echo " Dat abase created succes sfu lly ";
} else {
       echo " Error creating database: " .
mysqli _er ror ($c onn);
}
mysqli _cl ose ($c onn);
```

Selecting Data

```
// Create connection
$conn = mysqli _co nne ct( $se rve rname,
$username, $password, $dbname);
// Check connection
if (!$conn) {
        die ("Co nne ction failed: " . mysqli -
_co nne ct_ err or());
}
$sql = " SELECT id, firstname, lastname FROM
MyGues ts";
$result = mysqli _qu ery ($conn, $sql);
if (mysql i_n um_ row s($ result) > 0) {
       // output data of each row
        whi le($row = mysqli _fe tch _as soc ($r -
esult)) {
               echo "id: " . $row["i d"]. " - Name:
" . $row["f irs tna me"]. " " . $row["l ast nam -
e"]. " <br >";
       }
} else {
       echo "0 result s";
}
mysqli _cl ose ($c onn);
```

mysqli_num_rows()

```
Return the number of rows in a result set
Syntax:
mysqli _nu m_r ows (re sult);
Example:
  $ro wco unt =my sql i_n um_ row s($ res ult);
```

mysqli_fetch_assoc()

```
Fetch a result row as an associative array.
```

Closing a connection of MySQL

```
Syntax:
mysqli _cl ose (co nne ction);
Example:
mysqli _cl ose ($c onn);
```

By **Ajay Kumar B**
cheatography.com/ajay-kumar-b/

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mysqli_connect_error()

Return an error description from the last connection error, if any.

Syntax:

```
mysqli _co nne ct_ err or();
```

Example:

```
die("Co nne ction error: " . mysqli _co nne ct_ -
err or());
```

Create a Table

```
// Create connection
$conn = mysqli _co nne ct( $se rve rname,
$username, $password, $dbname);
// Check connection
if (!$conn) {
        die ("Co nne ction failed: " . mysqli _co -
nne ct_ err or());
}
// sql to create table
$sql = " CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_I NCR EMENT PRIMARY KEY,
firstname VARCHA R(30) NOT NULL,
lastname VARCHA R(30) NOT NULL,
email VARCHA R(50),
reg_date TIMESTAMP
)";
if (mysql i_q uer y($ conn, $sql)) {
       echo " Table MyGuests created succes sfu -
lly ";
} else {
       echo " Error creating table: " . mysqli -
_er ror ($c onn);
}
mysqli _cl ose ($c onn);
```

Selecting a Database

Syntax:

```
mysqli _se lec t_d b(c onn ect ion ,db name);
```

Example:

```
mysqli _se lec t_d b($ con n,"t est ");
```

mysqli_query()

Perform queries against the database.

For successful SELECT, SHOW, DESCRIBE, or EXPLAIN queries it will return a mysqli _result object.

For other successful queries it will return TRUE.

FALSE on failure.

Syntax:

```
mysqli _qu ery (co nne cti on, que ry, res ult -
mode);
```

Examples:

```
mysqli _qu ery ($c on, " SELECT * FROM Person s");
mysqli _qu ery ($c on, " INSERT INTO Persons
(First Nam e,L ast Nam e,Age) VALUES ('Glen -
n', 'Qu agm ire ',3 3)");
```

Inserting into Table

```
// Create connection
$conn = mysqli _co nne ct( $se rve rname,
$username, $password, $dbname);
// Check connection
if (!$conn) {
        die ("Co nne ction failed: " . mysqli -
_co nne ct_ err or());
}
$sql = " INSERT INTO MyGuests (first name,
lastname, email)
VALUES ('John', 'Doe', 'john@ exa mpl e.c om' )";
if (mysql i_q uer y($ conn, $sql)) {
       echo "New record created succes sfu lly ";
} else {
       echo " Error: " . $sql . " <br >" .
mysqli _er ror ($c onn);
}
mysqli _cl ose ($c onn);
```


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