

PHP Create Database

Creating a Database

To create and delete a database you should have admin privilege. Its very easy to create a new MySQL database. PHP uses **mysql_query** function to create a MySQL database. This function takes two parameters and returns TRUE on success or FALSE on failure.

Syntax

```
bool mysql_query( sql, connection );
```

Sr.No	Parameter & Description	
1	sql Required - SQL query to create a database	
2	connection Optional - if not specified then last opened connection by mysql_connect will be used.	

Example

Try out following example to create a database –

```
<?php
$dbhost = 'localhost:3036';
$dbuser = 'root';
$dbpass = 'rootpassword';
$conn = mysql_connect($dbhost, $dbuser, $dbpass);

if(! $conn ) {
    die('Could not connect: ' . mysql_error());
}

echo 'Connected successfully';

$sql = 'CREATE Database test_db';
$retval = mysql_query( $sql, $conn );

if(! $retval ) {
    die('Could not create database: ' . mysql_error());
}
```

```
}

echo "Database test_db created successfully\n";
mysql_close($conn);
?>
```

Selecting a Database

Once you establish a connection with a database server then it is required to select a particular database where your all the tables are associated.

This is required because there may be multiple databases residing on a single server and you can do work with a single database at a time.

PHP provides function **mysql_select_db** to select a database. It returns TRUE on success or FALSE on failure.

Syntax

```
bool mysql_select_db( db_name, connection );
```

Sr.No	Parameter & Description
1	db_name Required - Database name to be selected
2	connection Optional - if not specified then last opened connection by mysql_connect will be used.

Example

Here is the example showing you how to select a database.

```
<?php
$dbhost = 'localhost:3036';
$dbuser = 'guest';
$dbpass = 'guest123';
$conn = mysql_connect($dbhost, $dbuser, $dbpass);

if(! $conn ) {
    die('Could not connect: ' . mysql_error());
}
```

```
echo 'Connected successfully';

mysql_select_db( 'test_db' );
mysql_close($conn);
```

?>

Creating Database Tables

To create tables in the new database you need to do the same thing as creating the database. First create the SQL query to create the tables then execute the query using `mysql_query()` function.

Example

Try out following example to create a table –

```
<?php

$dbhost = 'localhost:3036';
$dbuser = 'root';
$dbpass = 'rootpassword';
$conn = mysql_connect($dbhost, $dbuser, $dbpass);

if(! $conn ) {
    die('Could not connect: ' . mysql_error());
}

echo 'Connected successfully';

$sql = 'CREATE TABLE employee( '.
    'emp_id INT NOT NULL AUTO_INCREMENT, '.
    'emp_name VARCHAR(20) NOT NULL, '.
    'emp_address VARCHAR(20) NOT NULL, '.
    'emp_salary INT NOT NULL, '.
    'join_date timestamp(14) NOT NULL, '.
    'primary key ( emp_id ))';
mysql_select_db('test_db');
$retval = mysql_query( $sql, $conn );

if(! $retval ) {
    die('Could not create table: ' . mysql_error());
}

echo "Table employee created successfully\n";

mysql_close($conn);

?>
```

In case you need to create many tables then its better to create a text file first and put all the SQL commands in that text file and then load that file into \$sql variable and excute those commands.

Consider the following content in sql_query.txt file

```
CREATE TABLE employee(  
    emp_id INT NOT NULL AUTO_INCREMENT,  
    emp_name VARCHAR(20) NOT NULL,  
    emp_address VARCHAR(20) NOT NULL,  
    emp_salary INT NOT NULL,  
    join_date timestamp(14) NOT NULL,  
    primary key ( emp_id ));  
  
<?php  
    $dbhost = 'localhost:3036';  
    $dbuser = 'root';  
    $dbpass = 'rootpassword';  
    $conn = mysql_connect($dbhost, $dbuser, $dbpass);  
  
    if(! $conn ) {  
        die('Could not connect: ' . mysql_error());  
    }  
  
    $query_file = 'sql_query.txt';  
  
    $fp = fopen($query_file, 'r');  
    $sql = fread($fp, filesize($query_file));  
    fclose($fp);  
  
    mysql_select_db('test_db');  
    $retval = mysql_query( $sql, $conn );  
  
    if(! $retval ) {  
        die('Could not create table: ' . mysql_error());  
    }  
  
    echo "Table employee created successfully\n";  
    mysql_close($conn);  
?>
```