

Chapter 9

PHP With MYSQL

Objective

In this chapter learner able to understand:

- PHP with MySql
- Connection To Database
- Fetch Record from Database
- Execute Query
- Disconnect Database

PHP With MySql

The generic MySql module is the original PHP API for the MySQL database PHP Provides built In function for Connect MySql. Step by Step Working with MySql.

Connect to the Mysql Server

`mysql_connect([$host[, $username[, $password]])` :-

Connects to the MySQL server and returns a resource which is used to reference the connection.

```
<?php
```

```
    $host = 'localhost';
```

```
    $user = 'root';
```

```
    $pass = '';
```

```
    $db = mysql_connect($host, $user, $pass) or
```

```
    die("Mysql Server could not connect");
```

```
?>
```

Select a Database

`mysql_select_db($database[, $resource]) :`

Equivalent to the MySQL command USE and sets the active database.

`<?php`

`mysql_select_db("Demo") or die("Could Not connect to the database!!!!")`

`?>`

Execute the Query

`mysql_query($query[, $resource]) :`

Used to send any MySQL command to the database server.

In the case of SELECT queries, a reference to the result set will be returned.

Get Number of affected rows

`mysql_affected_rows ([resource $link_identifier])`

Get number of affected rows in previous MySQL operation .

```
<?php
    $link = mysql_connect('localhost', 'user_name', 'password');
    if (!$link)
    {   die('Could not connect: ' . mysql_error());}
    mysql_select_db('mydb');
    mysql_query('DELETE FROM mytable WHERE id < 10');
    printf("Records deleted: %d", mysql_affected_rows());
    mysql_query('DELETE FROM mytable WHERE 0');
    printf("Records deleted: %d", mysql_affected_rows());
?>
```

Fetching a result row

We can fetch a result row four Way:-

1. array mysql_fetch_array (resource \$result [, int \$result_type=MYSQL_BOTH (or) MYSQL_ASSOC(or) MYSQL_NUM])

“Fetch a result row as an associative array, a numeric array, or both”

```
<?php
```

```
    mysql_connect("localhost", "mysql_user", "mysql_password") or  
    die("Could not connect: " . mysql_error());
```

```
    mysql_select_db("mydb");
```

```
    $result = mysql_query("SELECT id, name FROM mytable");
```

```
    while ($row = mysql_fetch_array($result, MYSQL_NUM)) {
```

```
        printf("ID: %s Name: %s", $row[0], $row[1]);
```

```
    }
```

```
    mysql_free_result($result);
```

```
?>
```


Fetching a result row

2. array mysql_fetch_assoc (resource \$result)

“Fetch a result row as an associative array”

```
<?php
```

```
$conn = mysql_connect("localhost", "mysql_user", "mysql_password");  
if (!$conn) { echo "Unable to connect to DB: " . mysql_error();}  
If (!mysql_select_db("mydbname"))  
{ echo "Unable to select mydbname: " . mysql_error();}  
$sql = "SELECT id as userid, fullname, userstatus FROM sometable  
WHERE userstatus = 1";  
$result = mysql_query($sql);  
If (mysql_num_rows($result) == 0)  
{ echo "No rows found, nothing to print so am exiting";}  
while ($row = mysql_fetch_assoc($result)) {  
echo $row["userid"] . " " . $row["fullname"] . " " . $row["userstatus"];  
} mysql_free_result($result);
```

```
?>
```

Fetching a result row

3. array mysql_fetch_row (resource \$result)

Get a result row as an enumerated array

Returns an numerical array of strings that corresponds to the fetched row, or FALSE if there are no more rows.

```
<?php
    $result = mysql_query("SELECT id,email FROM people WHERE id = '42'");
    if (!$result) {
        echo 'Could not run query: ' . mysql_error();
        exit;
    }
    $row = mysql_fetch_row($result);
    echo $row[0];
    echo $row[1];
?>
```

Fetching a result row

4. `object mysql_fetch_object (resource $result [, string $class_name [, array $params]]`)

“Returns an object with properties that correspond to the fetched row and moves the internal data pointer ahead. “

```
<?php
    mysql_connect("hostname", "user", "password");
    mysql_select_db("mydb");
    $result = mysql_query("select * from mytable");
    while ($row = mysql_fetch_object($result)) {
        echo $row->user_id;
        echo $row->fullname; }
    mysql_free_result($result );
?>
```

Disconnecting from the Database

`mysql_close` — Close MySQL connection

`bool mysql_close ([resource $link_identifier])`

`mysql_close()` closes the non-persistent connection to the MySQL server that's associated with the specified link identifier.

If `link_identifier` isn't specified, the last opened link is used.

```
<?php
```

```
    $link = mysql_connect('localhost', 'mysql_user', 'mysql_password');
```

```
    if (!$link)
```

```
    { die('Could not connect: ' . mysql_error());}
```

```
    echo 'Connected successfully';
```

```
    mysql_close($link);
```

```
?>
```

Chapter Summary

In this chapter, you have learned:

- Connect to the MySQL Database.
- How to execute query like insert, update and delete and select query.
- How to fetch record and disconnect the MySQL Database.

Thank you