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PHP MySQL UPDATE Query

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In this tutorial you'll learn how to update the records in a MySQL table using PHP.

Updating Database Table Data

The `UPDATE` statement is used to change or modify the existing records in a database table. This statement is typically used in conjugation with the `WHERE` clause to apply the changes to only those records that matches specific criteria.

The basic syntax of the `UPDATE` statement can be given with:

```
UPDATE table_name SET column1=value, column2=value2,... WHERE column_name=some_value
```

Let's make a SQL query using the `UPDATE` statement and `WHERE` clause, after that we will execute this query through passing it to the PHP `mysqli_query()` function to update the tables records. Consider the following *persons* table inside the *demo* database:

```
+----+------------+-----------+---------------------+
| id | first_name | last_name | email               |
+----+------------+-----------+---------------------+
|  1 | Peter      | Parker    | peterparker@mail.com |
|  2 | John       | Rambo     | johnrambo@mail.com   |
|  3 | Clark      | Kent      | clarkkent@mail.com   |
|  4 | John       | Carter    | johncarter@mail.com  |
|  5 | Harry      | Potter    | harrypotter@mail.com |
+----+------------+-----------+---------------------+
```

The PHP code in the following example will update the email address of a person in the persons table whose *id* is equal to 1.

Example   Procedural   Object Oriented   PDO   ⬇ Download

```php
1  <?php
2  /* Attempt MySQL server connection. Assuming you are running MySQL
3  server with default setting (user 'root' with no password) */
4  $link = mysqli_connect("localhost", "root", "", "demo");
5
6  // Check connection
7  if($link === false){
8      die("ERROR: Could not connect. " . mysqli_connect_error());
9  }
10
11  // Attempt update query execution
12  $sql = "UPDATE persons SET email='peterparker_new@mail.com' WHERE id=1";
13  if(mysqli_query($link, $sql)){
14      echo "Records were updated successfully.";
15  } else {
16      echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
17  }
18
19  // Close connection
20  mysqli_close($link);
21  ?>
```

After update the persons table will look something like this:

```
+----+------------+-----------+-------------------------+
| id | first_name | last_name | email                   |
+----+------------+-----------+-------------------------+
|  1 | Peter      | Parker    | peterparker_new@mail.com |
|  2 | John       | Rambo     | johnrambo@mail.com       |
|  3 | Clark      | Kent      | clarkkent@mail.com       |
|  4 | John       | Carter    | johncarter@mail.com      |
|  5 | Harry      | Potter    | harrypotter@mail.com     |
+----+------------+-----------+-------------------------+
```

⚠ **Warning:** The `WHERE` clause in the `UPDATE` statement specifies which record or records should be updated. If you omit the `WHERE` clause, all records will be updated.

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