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PHP MySQL Last Inserted ID

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In this tutorial you will learn how to retrieve the unique ID of the last inserted row from a MySQL database table using PHP.

How to Get the ID of Last Inserted Row

In the [PHP MySQL insert](#) chapter you've learnt MySQL automatically generate an unique ID for the `AUTO_INCREMENT` column each time you insert a new record or row into the table. However, there are certain situations when you need that automatically generated ID to insert it into a second table. In these situations you can use the PHP `mysqli_insert_id()` function to retrieve the most recently generated ID, as shown in the upcoming example.

For this example we'll use the same *persons* table that we've created in the [PHP MySQL create tables](#) chapter, which has four columns *id*, *first_name*, *last_name* and *email*, where *id* is the primary key column and marked with `AUTO_INCREMENT` flag.

Example

Procedural

Object Oriented

PDO

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```
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 insert query execution
12 $sql = "INSERT INTO persons (first_name, last_name, email) VALUES ('Ron',
13 'Weasley', 'ronweasley@mail.com')";
14 if(mysqli_query($link, $sql)){
15     // Obtain last inserted id
16     $last_id = mysqli_insert_id($link);
17     echo "Records inserted successfully. Last inserted ID is: " . $last_id;
18 } else{
19     echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
20 }
21 // Close connection
22 mysqli_close($link);
23 ?>
```

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