



PHP MySQL Insert Multiple Records

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Insert Multiple Records Into MySQL Using MySQLi and PDO

Multiple SQL statements must be executed with the `mysqli_multi_query()` function.

The following examples add three new records to the "MyGuests" table:

Example (MySQLi Object-oriented)

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```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com');";
```



```
if ($conn->multi_query($sql) === TRUE) {  
    echo "New records created successfully";  
} else {  
    echo "Error: " . $sql . "<br>" . $conn->error;  
}  
  
$conn->close();  
?>
```

Note that each SQL statement must be separated by a semicolon.

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Example (MySQLi Procedural)

```
<?php  
$servername = "localhost";  
$username = "username";  
$password = "password";  
$dbname = "myDB";
```



```
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com')";
$sql .= "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('Mary', 'Moe', 'mary@example.com')";
$sql .= "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('Julie', 'Dooley', 'julie@example.com')";

if (mysqli_multi_query($conn, $sql)) {
    echo "New records created successfully";
} else {
    echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}

mysqli_close($conn);
?>
```

The PDO way is a little bit different:

Example (PDO)

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDBPDO";

try {
    $conn = new PDO("mysql:host=$servername;dbname=$dbname", $username,
$password);
    // set the PDO error mode to exception
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);

    // begin the transaction
    $conn->beginTransaction();
```

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```
VALUES ('Mary', 'Moe', 'mary@example.com'))";
$conn->exec("INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('Julie', 'Dooley', 'julie@example.com'))";

// commit the transaction
$conn->commit();
echo "New records created successfully";
} catch(PDOException $e) {
    // roll back the transaction if something failed
    $conn->rollback();
    echo "Error: " . $e->getMessage();
}

$conn = null;
?>
```

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