

### mysqli\_num\_rows()

Return the number of rows in a result set

Syntax:

```
mysqli_num_rows(result);
```

Example:

```
$rowcount=mysqli_num_rows($result);
```

### mysqli\_fetch\_assoc()

Fetch a result row as an associative array.

### Opening a connection to MySQL

Syntax:

```
mysqli_connect(host,username,password,dbname,port,socket);
```

Returns an object representing the connection to the MySQL server.

Example:

```
$conn =
mysqli_connect("localhost","my_user","my_password","my_db");
```

### mysqli\_error()

Return the last error description for the most recent function call, if any.

Syntax:

```
mysqli_error(connection);
```

Example;

```
echo("Error description: " . mysqli_error($conn));
```

### Creating a Database

```
// Create connection
$conn = mysqli_connect($servername, $username,
$password);
// Check connection
if (!$conn) {
    die("Connection failed: " .
mysqli_connect_error());
}
// Create database
$sql = "CREATE DATABASE myDB";
if (mysqli_query($conn, $sql)) {
    echo "Database created successfully";
```

### Creating a Database (cont)

```
} else {
    echo "Error creating database: " .
mysqli_error($conn);
}
mysqli_close($conn);
```

### Selecting Data

```
// Create connection
$conn = mysqli_connect($servername, $username,
$password, $dbname);
// Check connection
if (!$conn) {
    die("Connection failed: " .
mysqli_connect_error());
}
$sql = "SELECT id, firstname, lastname FROM
MyGuests";
$result = mysqli_query($conn, $sql);
if (mysqli_num_rows($result) > 0) {
    // output data of each row
    while($row = mysqli_fetch_assoc($result)) {
        echo "id: " . $row["id"]. " - Name: " .
$row["firstname"]. " " . $row["lastname"]. "<br>";
    }
} else {
    echo "0 results";
}
mysqli_close($conn);
```

### Closing a connection of MySQL

Syntax:

```
mysqli_close(connection);
```

Example:

```
mysqli_close($conn);
```

### mysqli\_connect\_error()

Return an error description from the last connection error, if any.

Syntax:

```
mysqli_connect_error();
```

Example:

```
die("Connection error: " . mysqli_connect_error());
```

### Create a Table

```
// Create connection
$conn = mysqli_connect($servername, $username,
$password, $dbname);
// Check connection
if (!$conn) {
    die("Connection failed: " .
mysqli_connect_error());
}
// sql to create table
$sql = "CREATE TABLE MyGuests (
id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL,
email VARCHAR(50),
reg_date TIMESTAMP
)";
if (mysqli_query($conn, $sql)) {
    echo "Table MyGuests created successfully";
} else {
    echo "Error creating table: " .
mysqli_error($conn);
}
mysqli_close($conn);
```

### Selecting a Database

Syntax:

```
mysqli_select_db(connection, dbname);
```

Example:

```
mysqli_select_db($conn, "test");
```

### mysqli\_query()

Perform queries against the database.

For successful SELECT, SHOW, DESCRIBE, or EXPLAIN queries it will return a mysqli\_result object. For other successful queries it will return TRUE. FALSE on failure.

Syntax:

```
mysqli_query(connection, query, resultmode);
```

Examples:

```
mysqli_query($con, "SELECT * FROM Persons");
```

```
mysqli_query($con, "INSERT INTO Persons
(FirstName, LastName, Age) VALUES
('Glenn', 'Quagmire', 33)");
```

### Inserting into Table

```
// Create connection
$conn = mysqli_connect($servername, $username,
$password, $dbname);
// Check connection
if (!$conn) {
    die("Connection failed: " .
mysqli_connect_error());
}
$sql = "INSERT INTO MyGuests (firstname, lastname,
email)
VALUES ('John', 'Doe', 'john@example.com')";
if (mysqli_query($conn, $sql)) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>";
mysqli_error($conn);
}
mysqli_close($conn);
```



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