# MySQLi\_Connect in PHP (Part 1)

# Introduction to MySQLi\_Connect:

MySQLi\_Connect is a vital function in PHP used for connecting to a MySQL database server. It serves as a bridge between PHP and the database, enabling you to perform various operations, including retrieving, updating, and deleting data from the database.

# MySQLi\_Connect Parameters:

When using MySQLi\_Connect, you need to provide four essential parameters:

1. **Server:** This parameter specifies the MySQL server to which you want to connect. In most cases, this is set to "localhost" when working with a local database server.
2. **Username:** You should provide the MySQL username, which is typically "root" by default.
3. **Password:** The MySQL password associated with the username. It's often set to null for the default root user.
4. **Database (Optional):** This parameter is optional and allows you to specify the name of the database you want to connect to. If not provided, you can specify the database later in your PHP script.

# Using MySQLi\_Connect:

To establish a connection to the MySQL server using MySQLi\_Connect, you'll use the following code:

$con = mysqli\_connect(server, username, password, database);

* **`server`** should be set to your MySQL server's address, typically "localhost."
* **`username`** is the MySQL username, usually "root."
* **`password`** is the MySQL password associated with the username.
* **`database`** (optional) is the name of the database you wish to connect to.

# Forms and HTTP Methods:

In web development, forms are a common way to collect and send data to the server. There are four main HTTP methods used with forms, but we'll focus on two of them:

1. **POST:** The POST method is used when you want to send data to a server for processing. For example, when submitting a form to add data to a database.

2.

3. **GET:** The GET method is used to request data from a server. It is often used when retrieving data from a database.

# MySQLi\_Query:

After successfully connecting to the database using MySQLi\_Connect, you can execute queries using the MySQLi\_Query function. It takes two parameters:

* **`con`:** The database connection established with MySQLi\_Connect.
* **`sql`:** The SQL query you want to execute.