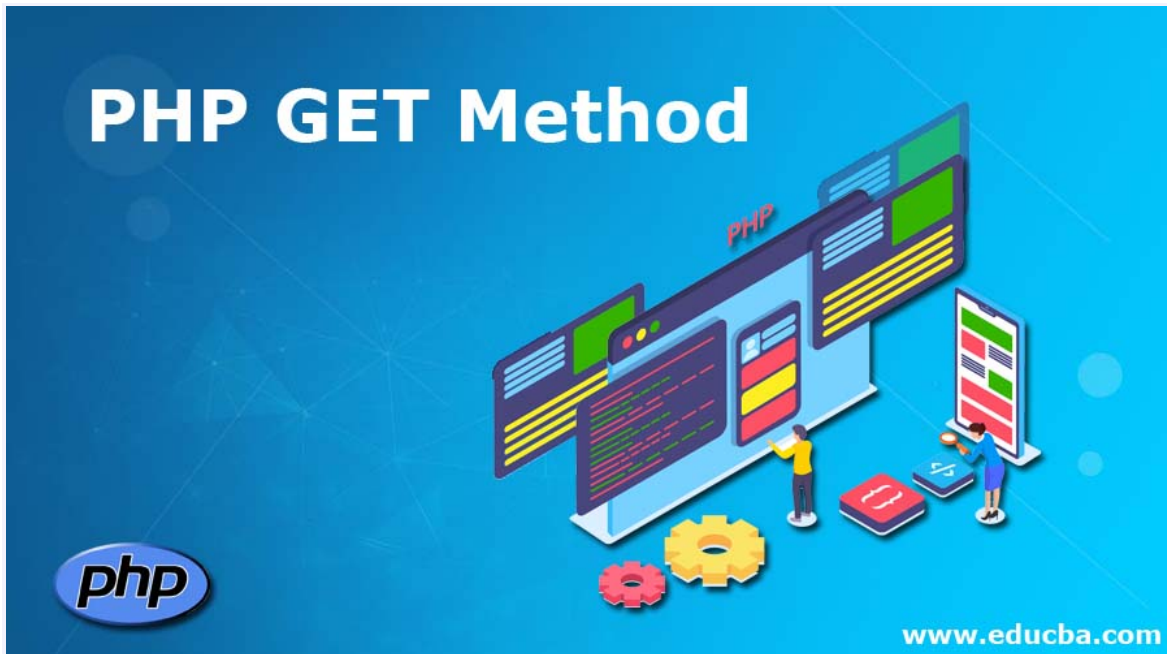


HOW TO USE HTTP GET AND POST METHODS IN PHP

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Php stands for Hypertext preprocessor. Php is a powerful and widely-used open source server-side programming language to write dynamically generated web-page. php is executed on the server and the result is sent to the client browser as a plain html.php is helpful for the Beginners web-Developer purpose . It helps to easily understand the mechanism of server side scripting language working. Php is an “HTML -embedded scripting language primarily used for dynamic web application”.Most of the php syntax is similar to the c, java, perl programming language . It is an open source language and runs most of the operating system and most web-servers.php perform system function i.e from file on system it can create ,open, read,write and close them all function used in php.

The two **GET** and **POST** methods are used to send the data from html control to a php script on the server. Url is used to specify the location ,which helps the browser to send the data mention action attribute of a form. Php script handles both displaying html tags and reading data from html control when the submit button is clicked by the user .

```
index.php > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>Document</title>
9  </head>
10
11  <body>
12      <form action="submit.php" method="get">
13          <input type="text" name="username" placeholder="enter your name">
14          <input type="password" name="password" placeholder="enter your password">
15          <input type="submit" name="submit" value="Submit">
16      </form>
17
18  </body>
19
20  </html>
```

Browser Role - Get And Post Methods

Browsers use one of the two http (Hypertext transfer protocol) methods - Get and Post to communicate with the server . Both methods used to pass the information differently to the server.

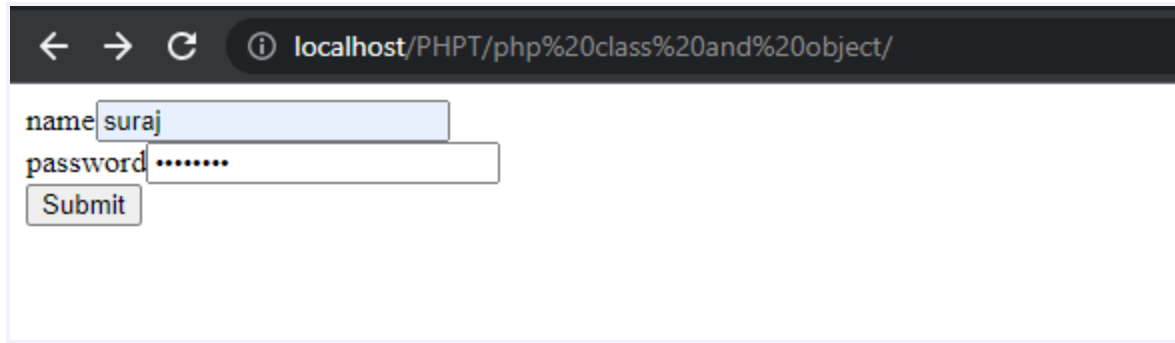
(A) GET Methods

The data in the Get method is sent as an url parameter in the pair of names and the value is separated by ampersand (&).

Example:- Url of Get data look like this:

<http://www.localhost/suraj/index.php?name=suraj&password=joker123>.

The name and age is the parameter of the Get url ; suraj and joker123 is a value of the parameter which is sent through the url. More than one parameter=value can be embedded in the url and separated through the ampersands (&). Only simple text values can be sent through the Get method.



name suraj

password

Submit

Super global variable `$_GET` is used to access all the information sent through an html form using get method.

Syntax:

```
$_GET['variable_name'];
```

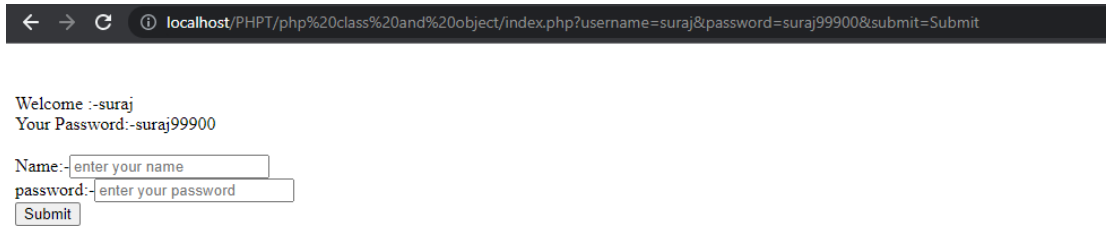
Where we can say that “`$_GET[...]`” is the php array and “variable_name” is the URL variable name.

Example :-Student.php



```
1 <?php
2 if (isset($_GET['submit'])) {
3     echo '<br><br> Welcome :-' . $_GET['username'] . '<br>';
4     echo 'Your Password:-' . $_GET['password'] . '<br><br>';
5 }
6 ?>
7 <!DOCTYPE html>
8 <html lang="en">
9
10 <head>
11     <meta charset="UTF-8">
12     <meta http-equiv="X-UA-Compatible" content="IE=edge">
13     <meta name="viewport" content="width=device-width, initial-scale=1.0">
14     <title>Student</title>
15 </head>
16
17 <body>
18     <form action="index.php" method="get">
19         <label for="Name">Name:-</label><input type="text" name="username" placeholder="enter your name"><br>
20         <label for="password">password:-</label><input type="password" name="password" placeholder="enter your password"><br>
21         <input type="submit" name="submit" value="Submit">
22     </form>
23 </body>
24
25 </html>
```

Output:



The screenshot shows a web browser window with the address bar displaying `localhost/PHPT/php%20class%20and%20object/index.php?username=suraj&password=suraj99900&submit=Submit`. The page content shows the output of a PHP script: "Welcome :-suraj" and "Your Password:-suraj99900". Below this, there is a form with two input fields: "Name:-" with a placeholder "enter your name" and "password:-" with a placeholder "enter your password". A "Submit" button is located below the password field.

(B) POST Methods

The data in the post method is sent through the server in the form of a package In separated communication with the processing script. The data which is sent through the server is not visible to the user in the URL query string as it is visible in the GET method . The post method can be used to send the much larger data, information and file to the server ,because it is secure.

Super global variable `$_POST` is used to access all the information sent through an html form using the post method.

Syntax:

```
$_POST['variable_name'];
```

Where we can say that “`$_POST[...]`” is the php array and “`variable_name`” is the URL variable name.

Example :-Student.php

```
index.php X
index.php > html > body > form
1  <?php
2  if (isset($_POST['submit'])) {
3      echo '<br><br> Welcome :-' . $_POST['username'] . '<br>';
4      echo 'Your Password:-' . $_POST['password'] . '<br><br>';
5  }
6  ?>
7  <!DOCTYPE html>
8  <html lang="en">
9
10 <head>
11     <meta charset="UTF-8">
12     <meta http-equiv="X-UA-Compatible" content="IE=edge">
13     <meta name="viewport" content="width=device-width, initial-scale=1.0">
14     <title>Student</title>
15 </head>
16
17 <body>
18     <form action="index.php" method="post">
19         <label for="Name">Name:-</label><input type="text" name="username" placeholder="enter your name"><br>
20         <label for="password">password:-</label><input type="password" name="password" placeholder="enter your password"><br>
21         <input type="submit" name="submit" value="Submit">
22     </form>
23 </body>
24
25 </html>
```

Output:

localhost/PHPT/php%20class%20and%20object/index.php

Welcome :-suraj_jaiswal
Your Password:-jaiswal99900

Name:-

password:-

Difference Between GET And POST Methods In PHP

Sr_no	GET Method	POST Method
1	The information is sent through the form with the GET method and is visible to everyone (all variable names and values are displayed in the url). The information sent through the form with the POST method is invisible to everyone (all variable names and values are embedded within the body of the HTTP request).	The information is sent through the form with the GET method and is visible to everyone (all variable names and values are displayed in the url). The information sent through the form with the POST method is invisible to everyone (all variable names and values are embedded within the body of the HTTP request).
2	Get method can send a limited amount of data in the url that is 2048 characters.	Post has no limit on the amount of information to send
3	\$_GET is an array of variables passed to the current script via the url parameters.	\$_POST is an array of variables passed to the current script of the http POST method.
4	Can be bookmark	Cannot be bookmark
5	Can be cached	Not cached
6	Parameter is remain in the browser history	Parameter are not saved in the browser history
7	Get is less secure to the POST because passed information is visible to the user	POST method is more secure than the GET because parameters are not saved in the browser history.
8	Get methods are not to be used while we pass or send the password or sensitive information.	POST methods are used while we pass or send the password or sensitive information .