PHP Programming - Forms

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GET Method

- The GET method is restricted to send upto 1024 characters only.
- Never use GET method if you have password or other sensitive information to be sent to the server.
- GET can't be used to send binary data, like images or word documents, to the server.
- The PHP provides **$_GET** associative array to access all the sent information using GET method.

- The GET method sends the encoded user information appended to the page request. The page and the encoded information are separated by the **?**character.
- http://www.test.com/index.htm?name1=value1&name2=value2

POST Method

- The POST method does not have any restriction on data size to be sent.
- The POST method can be used to send ASCII as well as binary data.
- The data sent by POST method goes through HTTP header so security depends on HTTP protocol. By using **Secure HTTP (HTTPS)** you can make sure that your information is secure.
- The PHP provides **$_POST** associative array to access all the sent information using POST method.

HTML Forms (GET and POST)

- When a form is submitted to a PHP script, any variables from that form will be automatically made available to the script by PHP.

- **Example Simple form variable**

```
<form action="foo.php" method="post">
Name: <input type="text" name="username"><br>
<input type="submit">
</form>
```

GET appends the returning variables and their values to the **URL string** but POST doesn't:

PHP Forms - $_GET Function

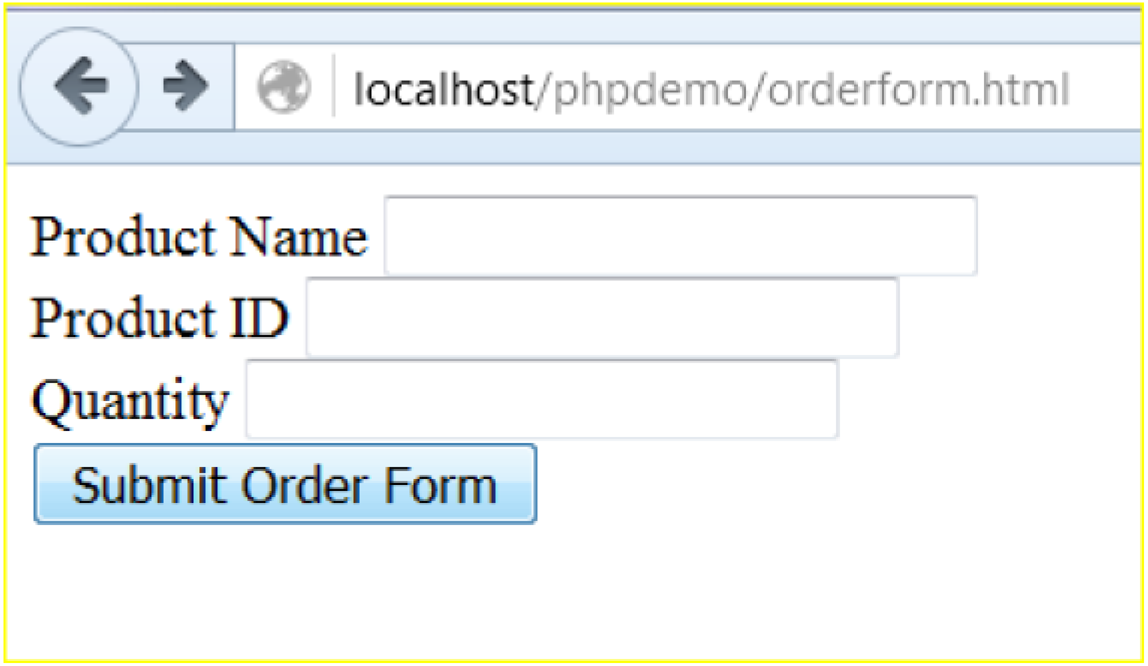
```
<form action="welcome.php" method="get">
Name: <input type="text" name="fname" />
Age: <input type="text" name="age" />
<input type="submit" />
</form>
```

```
Welcome <?php echo $_GET["fname"]; ?>.<br />
You are <?php echo $_GET["age"]; ?> years old!
```

Notice how the URL carries the information after the file name.

```
http://www.w3schools.com/welcome.php?fname=Peter&age=37
```

Example



Product Name

Product ID

Quantity

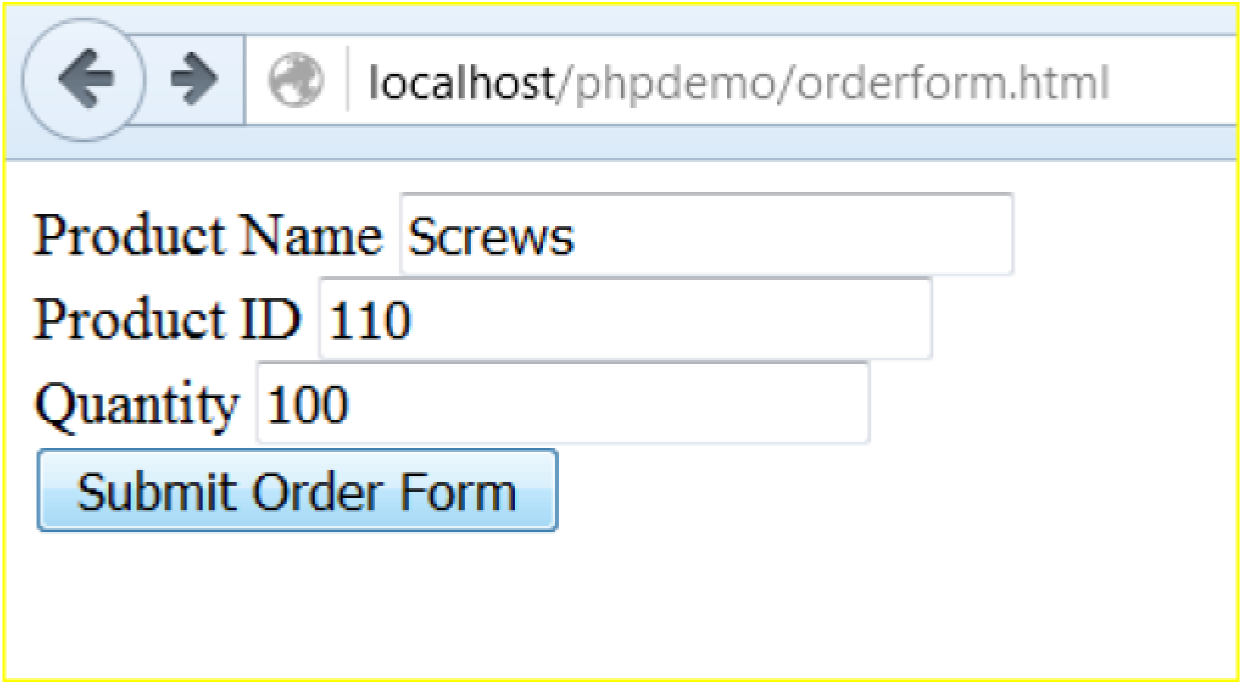
Form Processing – orderform.html

```
<html><head><title> Embedding PHP in HTML - Order
    Form </title> </head> <body>
 <form action="first.php" method="post">
Product Name <input type = text name="pnametxt"
    id="pnameid" maxlength=8 /> <br>
Product ID <input type = text name="pidtxt" id="pidid"
    maxlength=8 /> <br>
Quantity <input type = text name="qtxt" id="qid"
    maxlength=8/><br>
 <input type = "submit" value="Submit Order Form" />
    </form>  </body>  </html>
```

first.php

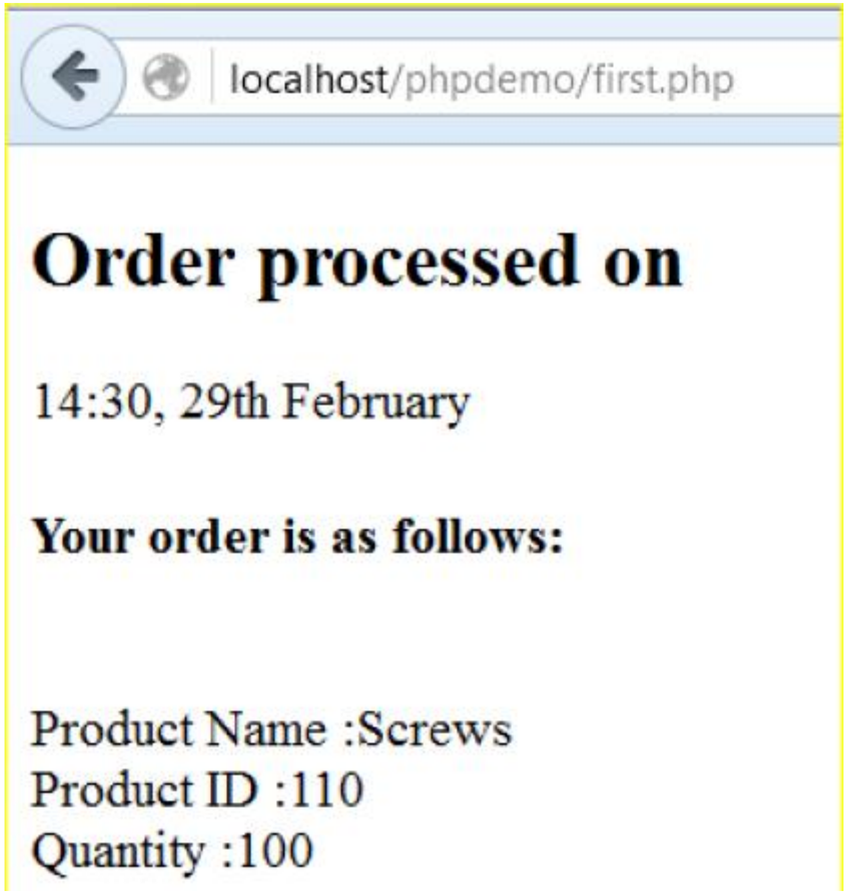
```
<html> <head>  <title> Order
   Form</title></head> <body>
<?php
$qtxt = $_POST['qtxt'];
$pnametxt = $_POST['pnametxt'];
$pidtxt = $_POST['pidtxt'];
echo '<p> <h2>Order processed on </h2>';
   echo date('H:i, jS F'); echo '</p>;
echo '<p><h4>Your order is as follows:
   </h4></p><br>';
echo 'Product Name :'.$pnametxt;  echo '<br>';
echo 'Product ID :'.$pidtxt;    echo '<br>';
echo 'Quantity :'.$qtxt;    echo '<br>';
?>
</body>  </html>
```

Output – Order form


localhost/phpdemo/orderform.html

Product Name	Screws
Product ID	110
Quantity	100

Response through PHP


localhost/phpdemo/first.php

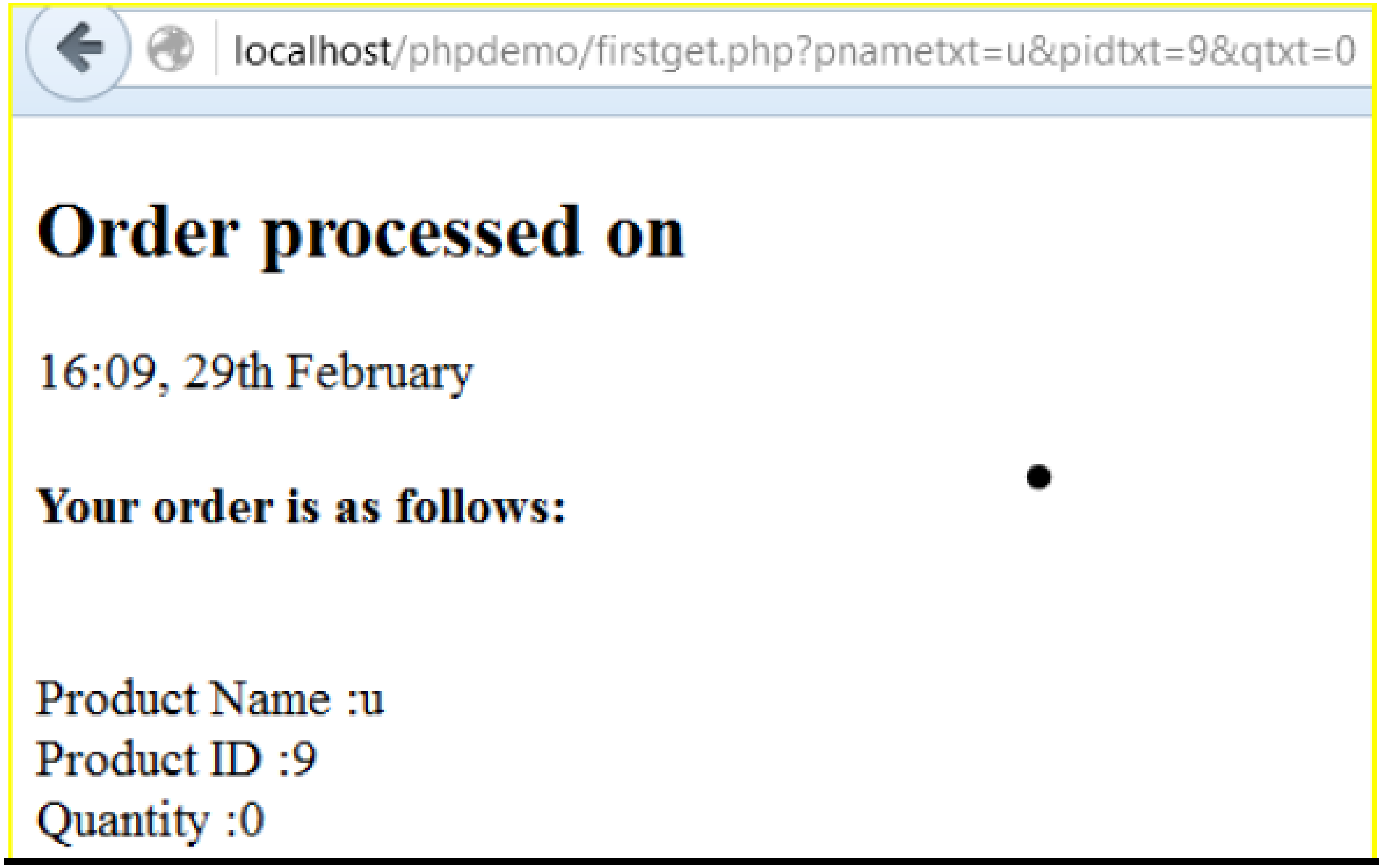
```
Order processed on

14:30, 29th February

Your order is as follows:


Product Name :Screws
Product ID :110
Quantity :100
```

Form Processing – orderform.html

```
<html><head><title> Embedding PHP in HTML - Order
   Form </title> </head> <body>
<form action="first.php" method=“get">
Product Name <input type = text name=“pnametxt”
   id="pnameid" maxlength=8 /> <br>
Product ID <input type = text name="pidtxt"
   id="pidid“maxlength=8 /> <br>
Quantity <input type = text name="qtxt" id="qid"
   maxlength=8/><br>
<input type = "submit" value="Submit Order Form" />
   </form>  </body>  </html>
```

First.php

```
<html> <head>  <title> Order
   Form</title></head> <body>
<?php
$qtxt = $_GET['qtxt'];
$pnametxt = $_GET['pnametxt'];
$pidtxt = $_GET['pidtxt'];
echo '<p> <h2>Order processed on </h2>';
   echo date('H:i, jS F'); echo '</p>;
echo '<p><h4>Your order is as follows:
    </h4></p><br>';
echo 'Product Name :'.$pnametxt;  echo '<br>';
    echo 'Product ID :'.$pidtxt;    echo '<br>';
echo 'Quantity :'.$qtxt;    echo '<br>';
?>
</body>  </html>
```



```
Order processed on

16:09, 29th February

Your order is as follows:


Product Name :u
Product ID :9
Quantity :0
```

empty / isset

- Check whether a variable is empty or set/declared.
- Use isset() method to **test the form is submitted successfully or not.**

```
if (!empty($_POST))
if (isset($_POST['submit']))
```

sameform.php

```
<?PHP
echo '<form method = "post">
       Author : <input type = "text" name = "author"
       placeholder = "Authors Name"/> <br> <br>
       Number of published Article : <input type = "number"
       name = "num" placeholder = "Published Article"/><br><br>
       <input type = "submit" name = "submit" value = "Submit">
    </form>';

    if (isset($_POST['submit'])){
        $a = $_POST["author"];
       $c = $_POST["num"];
       echo "Name of the Author: ".$a."<BR>";
       echo "Number of Articles published: ".$c;
      }
?>
```

Thank you!