



# Vinayakar Matric Hr.Sec.School

Forms &  
Files in  
PHP

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# Chapter – 8



Forms  
&  
Files

## Part - 1

- ❖ **Basic HTML Form Controls**
- ❖ **Client Validation**
- ❖ **Server Validation**



## PHP and HTML

- ✓ Main objective of PHP and HTML form controls are to collect data from users.
- ✓ In the web development, user access website or web pages from remote client machine and feed the data to server.
- ✓ These are collected via HTML form controls like textbox, dropdown box and radio button etc., and sent to server using server side programming like PHP.

# BASIC HTML FORM CONTROLS

## TEXT BOX

## RADIO BOX

- Male
- Female
- Other

## FILE SELECT

FileUpload

## SELECT TAG

JSF Page

Select Country :

Select State :   
Canada  
Mexico

## CHECK BOX

### Hobbies

- Photography
- Cricket
- Cycling
- Writing
- Gardening
- Cooking

BUTTONS

# Basic HTML Form Controls

- Text inputs
- Buttons
- Checkbox
- Radio box
- File Select
- Form Tag

# INTRODUCTION

**Pizza Shop 2.0**

Name	
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> Hawaiian
Pizza Sauce	Tomato ▾
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base
Delivery Instructions:	
<input type="button" value="Send my order"/>	

## PHP Basic Form Handling

- ✓ When the user keying the input data in HTML controls and clicks the submit button the request will be generated and reaches a PHP file which is mentioned in the FORM tag under the Action attribute.
- ✓ All input values are synchronized and sent to the server via POST method or GET method.
- ✓ Method is an attribute form tag in HTML. Once the data reaches the server, two PHP variables such as `$_POST` and `$_GET` collects the data and prepares the response accordingly

# BASIC FORM HANDLING

```
• <form action =  
"server.php" method  
="POST">...</form>
```

Login form

Form data submitted  
to server

- `$_POST[];`
- `$_GET[];`

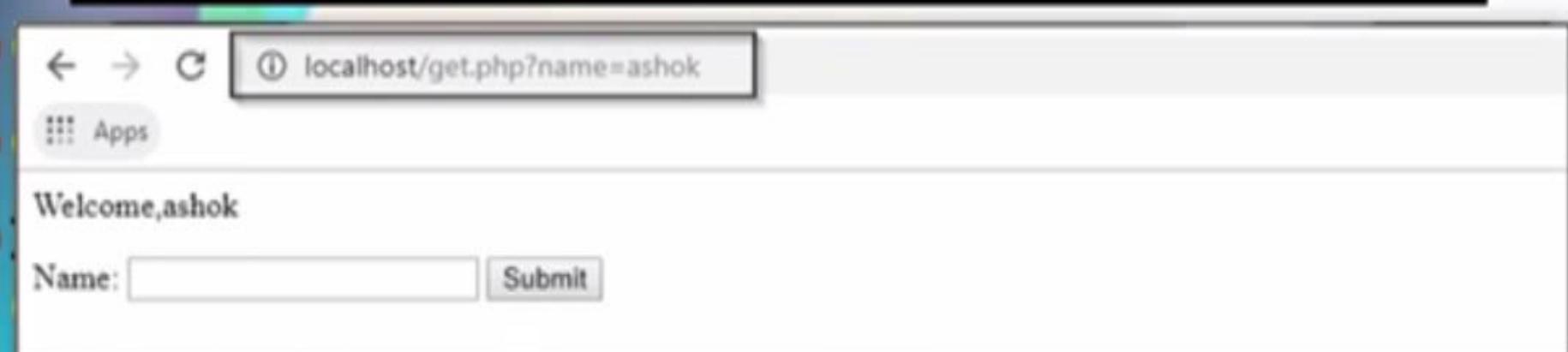
- Authenticate user
- Add data to database
- Other data processing etc.

Data processed on the  
server [server.php]

## PHP Basic Form Handling

- ✓ **Post Method:** The input data sent to the server with POST method is stored in the request body of the client's HTTP request.
- ↳
- ✓ **Get Method:** The input data sent to the server with POST method via URL address is known as query string. All input data are visible by user after they clicks the submit button.

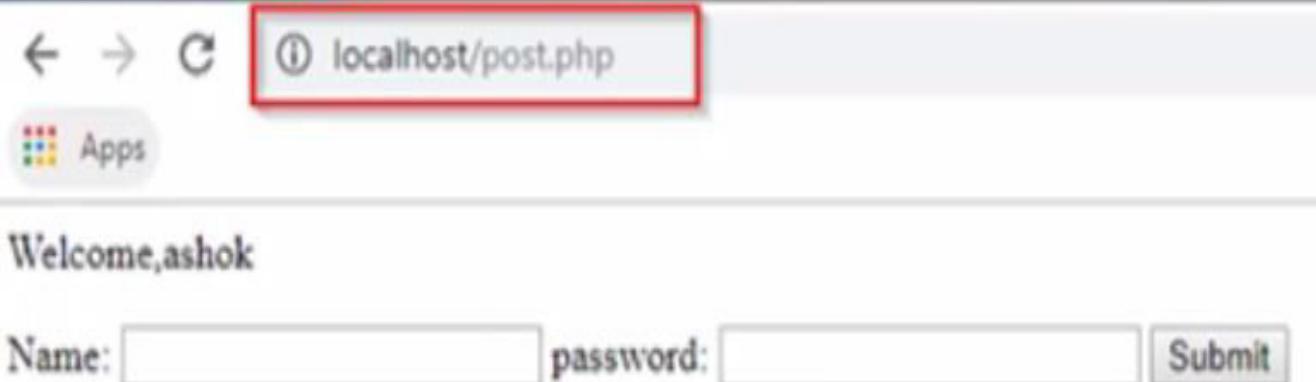
# GET METHOD



## Some other notes on GET requests:

- **GET** requests can be cached
- **GET** requests remain in the browser history
- **GET** requests can be bookmarked
- **GET** requests should never be used when dealing with sensitive data
- **GET** requests have length restrictions
- **GET** requests are only used to request data (not modify)

# POST METHOD



A screenshot of a web browser window. The address bar at the top shows the URL `localhost/post.php` with a red box around it. Below the address bar, there are standard browser controls: back, forward, and refresh. To the right of the address bar is a button labeled 'C'. Underneath the address bar is a button labeled 'Apps' with a grid icon. The main content area of the browser shows the text 'Welcome,ashok'. Below this, there is a form with two input fields: 'Name:' and 'password:', separated by a colon. To the right of the password field is a 'Submit' button. The overall background of the slide has a colorful, abstract design with red, yellow, and blue gradients.

## Some points on POST requests:

- POST requests are never cached
- POST requests do not remain in the browser history
- POST requests cannot be bookmarked
- POST requests have no restrictions on data length

# EXAMPLE

## Example

### test.html

```
<html>
<body>
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>
</body>
</html>
```

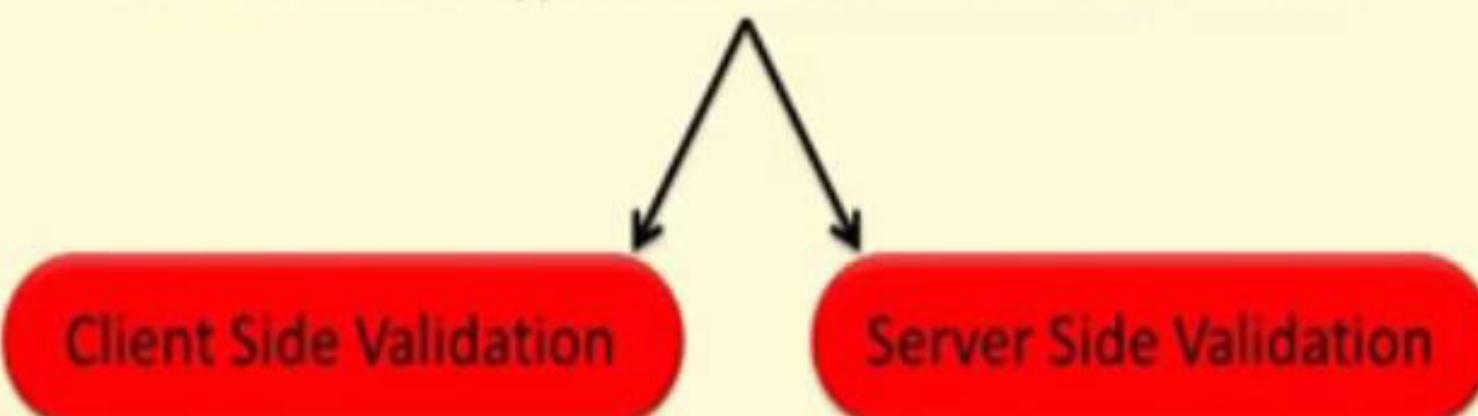
```
welcome.php
<html>
<body>
    Welcome
    <?php
        echo $_POST["name"];
    ?>
    <br>
    Your email address is:
    <?php
        echo $_POST["email"];
    ?>
    </body>
</html>
```

in “welcome.php” file, PHP variables such as `$_POST` and `$_GET` collects the data and prepares the response accordingly.

Eventually the user will receive the output response in the client machine’s browser screen.

## Basic PHP Form Validation

- ✓ Validation is a process of checking the input data submitted by the user from client machine.
- ✓ There are two types of validation available in PHP.



## Client Validation

- ✓ Before sending the data to server side program (PHP) the programmer can write few validations from browser in the client machine.
- ✓ For this validation, we have to add additional “required” attribute in HTML input tag

## Server Side Validation

- ✓ After the submission of data, validations are performed on the server side using the programming like PHP, ASP or JSP etc. available in the server machine.

# Form Validation

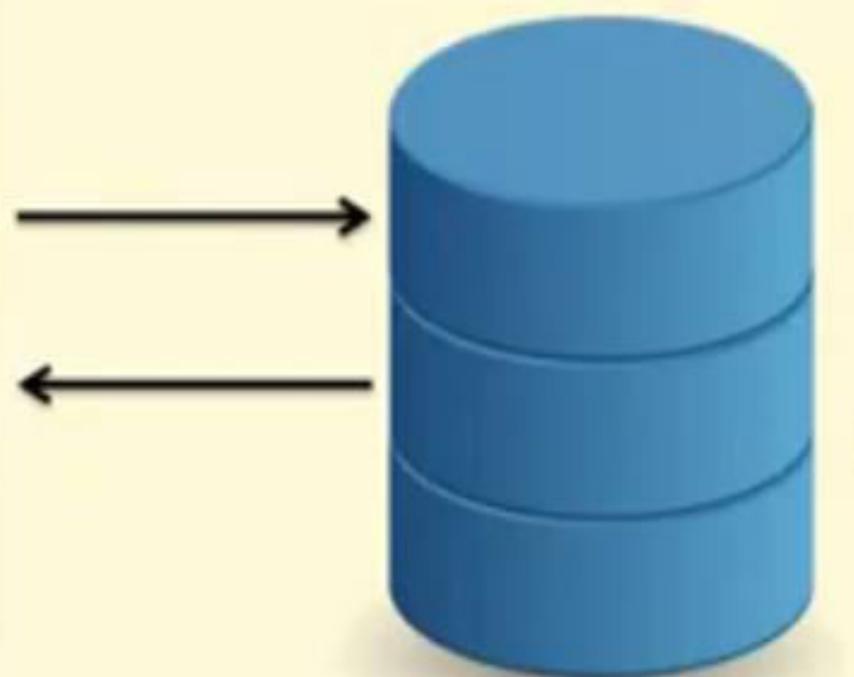
Chapter-8

HTML, CSS, JS etc.,

PHP, ASP ,JSP ,Python etc.,

Contact Us

First Name	Last Name
E-mail	Business Phone
Company Name	Office Phone
State	
City	Neighborhood
Zip Code	Country/Region
Comments	



Front End

Back End



**THANK  
YOU !!**