

## CHAPTER – 8

### FORMS AND FILES

1. When you use the \$\_get variable to collect data, the data is visible to **everyone**.
2. Which one of the following should not be used sending passwords or other sensitive information? **Get**.
3. Which directive determines whether php scripts on the server can accept file uploads? **File\_uploads**.
4. In html form <input type="text"> is used for **one line text**.
5. Html classes that is already defined and allowed us to apply styles on it are called as **pseudo classes**.
6. If you would like to read a file character by character which function do you use? **Fgetc()**.
7. Php is a \_\_\_ typed language. **Loosely**
8. What does fopen() function do in php? **It used to open files in php**
9. How php files can be accessed? **Through web browser**
10. Which of the following functions reads the entire contents of a file? **fread()**
11. \_\_\_ inputs contain text box and text area controls. **Text**
12. Which one of the control selects more than one value from the HTML form?  
**Checkbox**
13. \_\_\_ is used to select one value can be chosen at a time. **Radio box**
14. Which is the best features to select one file the local to server at a time? **File select**.
15. Which tag is used to mention post and get method? **form**
16. All input values are synchronized and sent to the server via \_\_\_ method. **Post or get**.
17. \_\_\_ is an attribute of form tag in html. **Method**
18. In get method, the input data sent url address is known as \_\_\_ **query string**
19. \_\_\_ is a process of checking the input data submitted by the user from client machine. **Validation**
20. How many types of validation are available in php? **2**
21. The two types of validation are **client and server side**
22. Which one of the following is not an back-end application. **Html**.



23. \_\_\_ function is used to open a file. **fopen()**
24. \_\_\_ function is used to close a file. **fclose()**
25. \_\_\_ function is used to read a file. **fread()**
26. \_\_\_ function is used to write a file. **fwrite()**
27. \_\_\_ function is used to appending a file. **file\_put\_contents()**
28. \_\_\_ function is used to upload a file. **File\_uploads=on**
29. How many parameters are there in file \_put\_contents(). **4**
30. How many parameters required and options in the file\_put\_contents(). **2,2**

## Part II

### Short answers

1. Define html form controls.

Main objective of php and html form controls are to collect data from users. The various form controls are text inputs, buttons, checkbox, radio box, file select, form tag.

2. Define for form handling method in php.

Form handling used to mention post and get method.

Controls the entire form controls.

Values are synchronized

Send the data via post and get method

3. What is form validation in php?

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. They are as follows,

**Client-Side Validation:**

**Server Side Validation:**

4. List out html control to support php language.



Text inputs, Buttons, Checkbox, Radio box, File Select, Form Tag.

5. Write syntax of text box in html.

```
<input type = "text" name="name">
```

6. Define file handling in php.

File handling is an important activity of all web application development process. Files are processed for different tasks using the following events:

- PHP Open a File,
- PHP Read a File,
- PHP Close a File,

7. Define browse button in html.

Input tag mention type = file attribute  
Browse button is used to search for any file

8. Write syntax of browse button in html.

```
<input type = file name=browse>
```

9. Compare text box and text area.

The text box has only one line of text.  
The text area has multiple lines.

10. Usage of file open function.

- Fopen() is inbuilt function
- Helps to open a file
- It contains two parameters (read/write)



## Part III

### Explain in Brief Answer

1. Write the features 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.

2. Write the purpose get method and post method.

**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.

3. Differentiate get and post method.

#### **POST METHOD**

- IT SEND THE DATA TO SERVER.
- IT IS NOT VISIBLE.
- IT IS SECURED.

#### **GET METHOD**

- IT SEND THROUGH URL
- ALL INPUT VISIBLE
- IT'S LESS SECURED

4. Write short notes on file handling.

**FILE HANDLING** is an important of all web application.



**File handling** is important concept in every programming language. It helps the program to read, write, create, and close the file.

5. Write short notes on file handling functions.

File handling is an important in all web application.

- PHP Open a File, - fopen()
- PHP Read a File, - fread()
- PHP Close a File, - fclose()
- PHP Write a File, - fwrite()
- PHP Appending a File – file\_put\_contents()
- PHP uploading a File.

**PHP Read a File:**

The fread() function reads from an open file. The file object comes from fopen function.

- **Syntax:** fread(\$file\_Object,filesize("FileName"));

**PHP Close a File:**

The fclose() function is used to close an opened file. The file object comes from fopen function.

- **Syntax:** fclose(\$file\_Object);

**Part IV**

**Explain in detail.**

1. Explain form handling methods.

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.



**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.

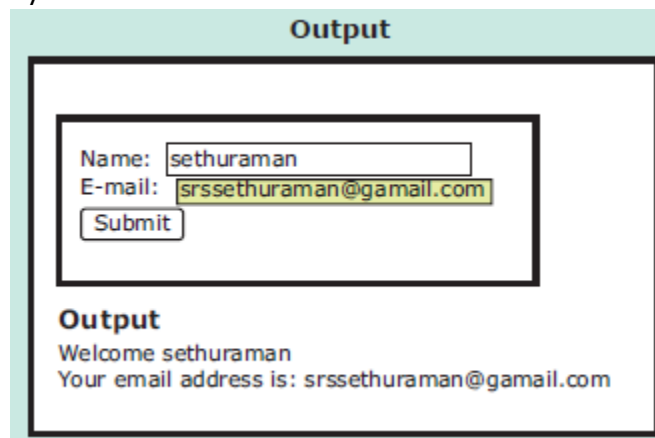
**Example:**

**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>
```



2. Discuss in detail about html form controls.



The following control types are available in HTML form controlling:

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

Text inputs contain textbox and text area controls. Buttons may contain Submit button, Reset button and Cancel Button. Checkbox is the important feature which selects more than one value from the HTML form. Radio box is similar to checkbox but one value can be chosen at a time. File select is the best feature to select one file from the local machine to server machine at a time. Form tag is used to mention a method (POST or GET) and control the entire form controls in the HTML document.

Pizza Shop 2.0	
Name	<input type="text"/>
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> Hawaiian
Pizza Sauce	<input type="text" value="Tomato"/>
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base
Delivery Instructions:	
<input type="text"/>	
<input type="button" value="Send my order"/>	

### 3. Explain the process file handling.

File handling is an important activity of all web application development process. Files are processed for different tasks using the following events:

- PHP Open a File,
- PHP Read a File,
- PHP Close a File,
- PHP Write a File,
- PHP Appending a File and
- PHP uploading a File.

#### **PHP Open a File**



fopen() is a system function available in PHP. This function helps to open a file in the server. It contains two parameters one for the file and the other one specifies in which Mode the file should be opened (Read/Write).

- **Syntax:** \$file\_Object= fopen("FileName", "Read/WriteMode") or die("Error Message!");

**Example:**

```
<?php
    $myfile = fopen("Student.txt", "r") or die("Unable to open file!");
?>
```

**PHP Read a File:**

The fread() function reads from an open file. The file object comes from fopen function.

- **Syntax:**

```
fread($file_Object,filesize("FileName"));
```

**Example:**

```
<?php
    fread($myfile,filesize("Student.txt"));
?>
```

**PHP Close a File:**

The fclose() function is used to close an opened file. The file object comes from fopen function.

**Syntax:** fclose(\$file\_Object);

**Example:**

```
<?php
    $myfile = fopen("student.txt", "r");
    fclose($myfile);
?>
```

**PHP write a File:**

The fwrite() function is used to write to a file.

**Syntax:**

```
fwrite($myfile, $txt);
```

**Example:**

```
<?php
    $myfile = fopen("new_school_file.txt", "w")
    or die("Unable to open file!");
    $txt = "School Name\n";
    fwrite($myfile, $txt);
    $txt = "Student Name\n";
    fwrite($myfile, $txt);
    fclose($myfile);
```





?>

#### 4. Explain concepts of http uploading process.

File upload is the best feature to select one file from the local machine to server machine.

Form tag is used to mention a method as POST or GET

Encrypt attribute mentioned as "multipart/form-data".

In the <Input> tag mention type="file" attribute shows the input field as a file-select control, with a "Browse" button next to the input control.

The form above sends data to a file called Student\_photo\_upload.php"

In Server machine "php.ini" file, search for the file\_uploads directive, and set it to on: **"file\_uploads = on"**

After submitting the upload button the request reaches to Student\_photo\_upload.php file.

In the file \$\_FILES variable collects all uploaded file information such as name of the file, size of the file and extension of the file etc.

All the details are checked thoroughly and the errors are saved in an array variable.

The file finally moves under the image directory if the array error variable is empty.

#### 5. Explain in detail of file handling functions.

File handling is an important activity of all web application development process. Files are processed for different tasks using the following events:

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- PHP Read a File,
- PHP Close a File,
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fwrite($myfile, $txt);
```

**Example:**

```
<?php
    $myfile = fopen("new_school_file.txt", "w")
        or die("Unable to open file!");
    $txt = "School Name\n";
    fwrite($myfile, $txt);
    $txt = "Student Name\n";
    fwrite($myfile, $txt);
    fclose($myfile);
?>
```

**File Upload:**

File upload is the best feature to select one file from the local machine to server machine.

Form tag is used to mention a method as POST or GET



Encrypt attribute mentioned as “multipart/form-data”.

In the <Input> tag mention type=”file” attribute shows the input field as a file-select control, with a “Browse” button next to the input control.

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### **Appending a File:**

The file\_put\_contents() function is used to append to a file.

The various parameters used in appending a file are

File – file to write, does not exist.

Data – data to write, can be a string, in array or stream.

Mode – how to open/write

Context – file handle, modify the behavior of a stream.

