

K. J. Somaiya College of Engineering, Mumbai-77
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Batch: A_1 Roll No.: 16010123004

Experiment No. 07

TITLE: Demonstrate the Super Global Variables and File Uploading in PHP

AIM: To understand various file operations and file upload in PHP

Expected Outcome of Experiment: Process external files in PHP.

Books/ Journals/ Websites referred:

1. W3Schools PHP Superglobals
https://www.w3schools.com/php/php_superglobals.asp
2. WP Lab Classes

Problem Statement: Description of the application implemented with output:

```
<?php
if (isset($_FILES['image'])) {
    echo "<pre>";
    print_r($_FILES);
    echo "</pre>";

    $file_name = $_FILES['image']['name'];
    $file_tmp = $_FILES['image']['tmp_name'];

    if (!is_dir("uploads")) {
        mkdir("uploads");
    }

    if (move_uploaded_file($file_tmp, "uploads/" . $file_name)) {
        echo "File Upload Successful";
    } else {
        echo "File Upload Failed";
    }
}

echo "<h3>Server & Request Details</h3>";
```

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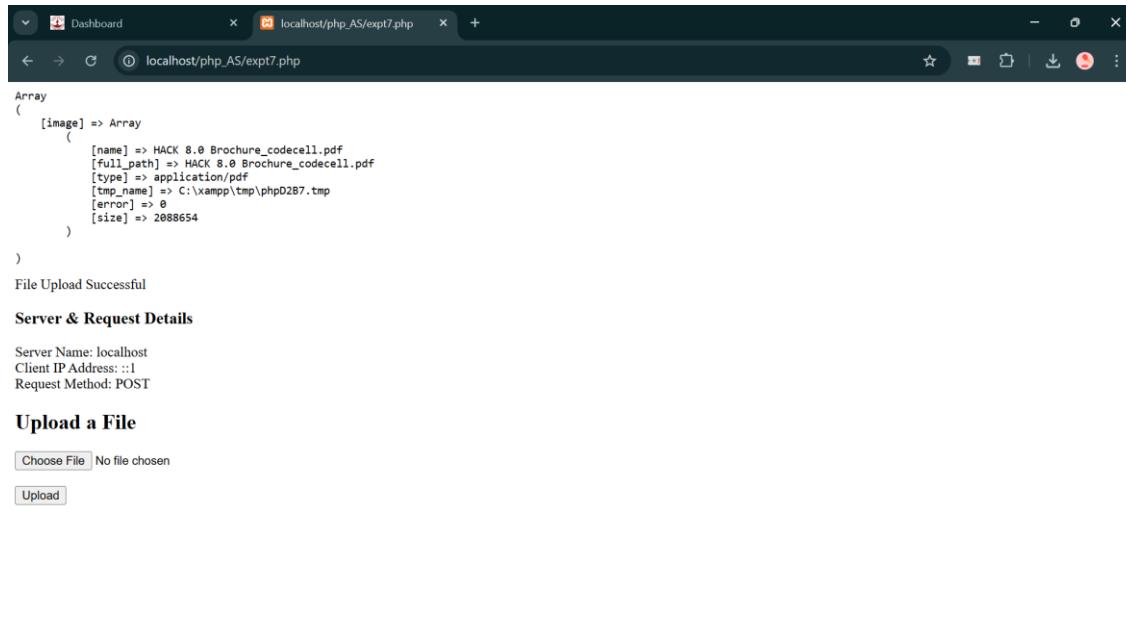
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```

echo "Server Name: " . $_SERVER["SERVER_NAME"] . "<br>";
echo "Client IP Address: " . $_SERVER["REMOTE_ADDR"] . "<br>";
echo "Request Method: " . $_SERVER["REQUEST_METHOD"] . "<br>";
?>

<html>
<body>
<h2>Upload a File</h2>
<form action="" method="POST" enctype="multipart/form-data">
<input type="file" name="image"/><br><br>
<input type="submit" value="Upload"/>
</form>
</body>
</html>

```



PHP Basic Concepts Learned With Syntax

1. Basic PHP Syntax and Output

```

<?php
echo "Hello, World!";
echo "<br>";

```

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```
echo "Hello escape \"sequence\" characters";
```

```
?>
```



```
<?php
$msg = "hello javapoint php";
$text = "hello world";
$x = 4;
$y = 20.5;
echo $text;
echo "<br>";
echo $x;
echo "<br>";
echo $y;
?>
```

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```
<?php
define("College", "KJ Somaiya College of Engineering");
echo College;
echo "<br>";
const MESSAGE = "KJ Somaiya College of Engineering";
echo MESSAGE;
$y = null;
var_dump($y);
echo "<br>";
?>
```

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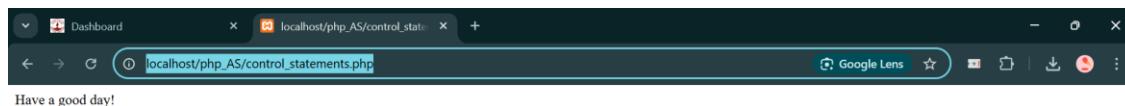


2. Control Structures

```
<?php
$t = date("H");

if ($t < "20") {
    echo "Have a good day!";
} elseif ($t < "10") {
    echo "Good Morning!";
} else {
    echo "Have a good night";
}
?>
```

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3. Arrays and Loops

```
<?php  
  
$colors = array("red", "green", "blue", "yellow");  
  
foreach ($colors as $value) {  
  
    echo "$value <br>";  
  
}  
  
  
$salary = array("Suno" => "35000", "John" => "45000", "Kartik" => "20000");  
  
echo "Suno salary: " . $salary["Suno"] . "<br>";  
  
  
$emp = array(  
    array("Peter", 101, "Manager"),  
    array("Monica", 102, "Salesman"),  
    array("Noice", 103, "Sales Executive")  
);
```

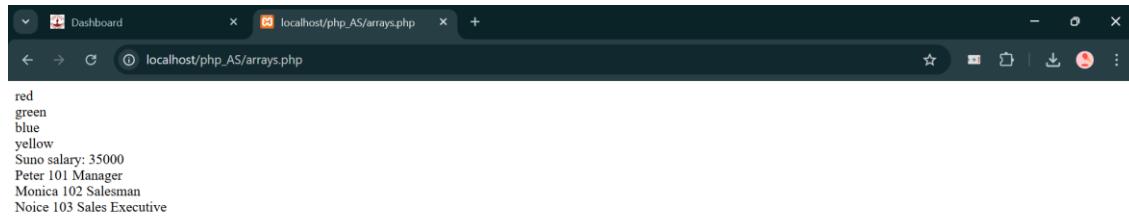
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```

for ($row = 0; $row < 3; $row++) {
    for ($col = 0; $col < 3; $col++) {
        echo $emp[$row][$col] . " ";
    }
    echo "<br>";
}
?>

```



```

red
green
blue
yellow
Suno salary: 35000
Peter 101 Manager
Monica 102 Salesman
Noice 103 Sales Executive

```

4. Forms and User Input Handling

```

<!-- <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">

    Name: <input type="text" name="fname"> <br> <br>
    Age: <input type="text" name="age"> <br> <br>
    <input type="submit" name="save">

</form> -->

```

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<!-- Form with GET Method -->

```
<form action="" method="GET">
```

```
    Name: <input type="text" name="fname"> <br> <br>
```

```
    Age: <input type="text" name="age"> <br> <br>
```

```
    <input type="submit">
```

```
</form>
```

```
<?php
```

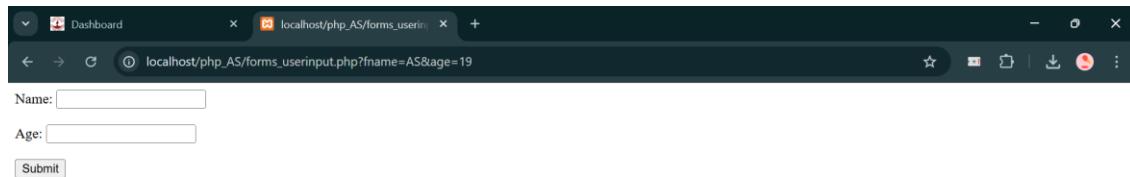
```
if (isset($_POST['save'])) {
```

```
    echo $_POST['fname'];
```

```
    echo $_POST['age'];
```

```
}
```

```
?>
```



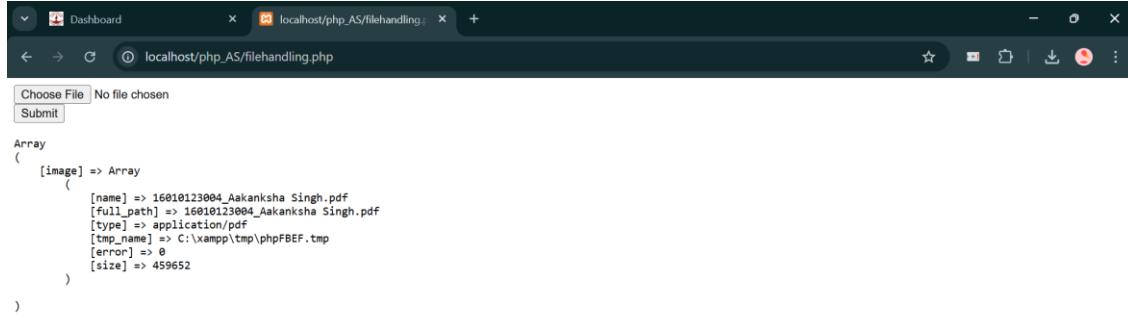
5. File Handling & Uploads

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```
<form action="" method="POST" enctype="multipart/form-data">
<input type="file" name="image"/><br>
<input type="submit"/>
</form>
```

```
<?php
if (isset($_FILES['image'])) {
    echo "<pre>";
    print_r($_FILES);
    echo "</pre>";
}
?>
```



The screenshot shows a browser window with the URL `localhost/php_AS/filehandling.php`. The page displays a form with a file input field labeled "Choose File" which shows "No file chosen". Below the form is a "Submit" button. To the right of the form, the PHP code is displayed, along with its output. The output is a string representation of an array:

```
Array
(
    [image] => Array
        (
            [name] => 16010123004_Aakanksha Singh.pdf
            [full_path] => 16010123004_Aakanksha Singh.pdf
            [type] => application/pdf
            [tmp_name] => C:\xampp\tmp\phpFBEF.tmp
            [error] => 0
            [size] => 459652
        )
)
```

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The screenshot shows the VS Code interface with the following details:

- Explorer View:** Shows a tree structure of PHP files. The file `filehandling.php` is currently selected.
- Editor View:** Displays the code for `filehandling.php`. The code includes an HTML form for file upload and a PHP script to handle the uploaded file.

```
<?php
if (isset($_FILES['image'])) {
    echo "<pre>";
    print_r($_FILES);
    echo "</pre>";
}
?>
```

6. Superglobals and Server Information

```
<?php  
echo $_POST["fname"];  
echo $_SERVER["PHP_SELF"];  
echo $_SERVER["HTTP_ORIGIN"];
```

```
echo "<pre>";
print_r($_GET);
echo "</pre>";
```

```
echo "<pre>";  
print_r($_REQUEST);  
echo "</pre>";
```

```
echo "<pre>";
```

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```
print_r($_SERVER);  
  
echo "</pre>";  
  
?>
```

7. Database Connection

```
<?php  
  
$db_host = "localhost";  
  
$db_user = "root";  
  
$db_password = "";  
  
$db_name = "a1_wpl";  
  
  
$conn = mysqli_connect($db_host, $db_user, $db_password, $db_name);  
  
  
if($conn){  
    echo "connected successfully";  
}  
  
?>
```

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```
<?php  
  
$servername = "localhost";  
  
$username = "root";  
  
$password = "";  
  
$dbname = "a1_wpl";  
  
  
$conn = mysqli_connect($servername, $username, $password, $dbname);  
if($conn)  
{  
    echo("connected successfully");  
}  
  
  
// $sql = "CREATE TABLE MyGuests3 (  
//     id INT UNSIGNED AUTO_INCREMENT PRIMARY KEY,  
//     firstname VARCHAR(30) NOT NULL,  
//     lastname VARCHAR(30) NOT NULL,
```

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```

// email VARCHAR(50),  

// reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP  

// ON UPDATE CURRENT_TIMESTAMP  

// )";  
  

// if($conn->query($sql) === TRUE){  

//   echo "Table MyGuests created successfully";  

// } else{  

//   echo "Error creating table: " . $conn->error;  

// }  

// $conn->close();  
  

// $sql = "INSERT INTO MyGuests3(firstname, lastname, email)  

// VALUES('John1', 'Doe1', 'john1@example.com')";  
  

// if($conn->query($sql) === TRUE){  

//   echo "New Record created successfully";  

// } else{  

//   echo "Error: " . $sql. "<br>" . $conn->error;  

// }  

// $conn->close();  
  

?>

```

8. HTML Form Controls

<form>

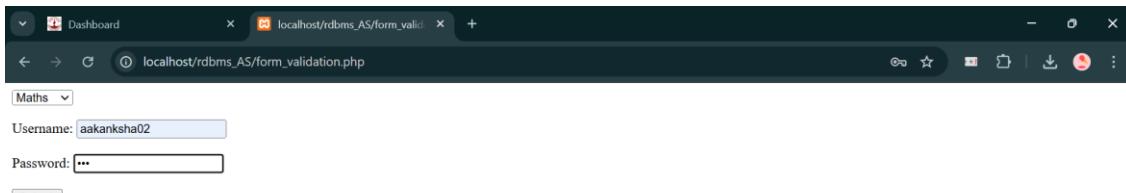
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```
<select name="dropdown">  
    <option value="Maths" selected> Maths </option>  
    <option value="Physics"> Physics </option>  
</select>  
</form>
```

```
<?php  
if (isset($_POST["submit"])) {  
    $username = $_POST["username"];  
    $password = $_POST["password"];  
    if (strlen($password) <= 8) {  
        echo "<span style='color:red;'> Password should be more than 8 characters  
</span>";  
    }  
}  
?>
```

```
<form action="" method="POST">  
    Username: <input type="text" name="username"> <br> <br>  
    Password: <input type="password" name="password"> <br> <br>  
    <input type="submit" value="Submit" name="submit">  
</form>
```

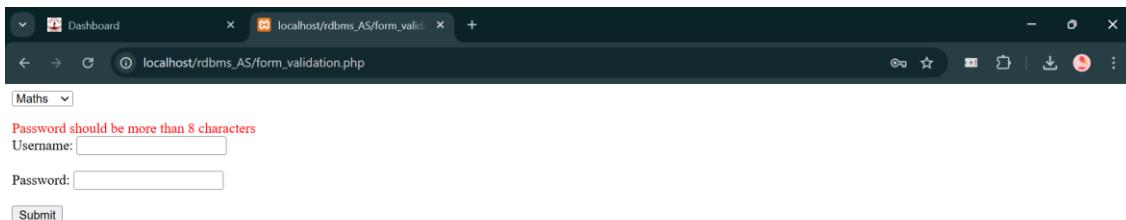
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Username: aakanksha02

Password: ...

Submit



Username:

Password: ...

Submit

Post Lab Questions:

1. Perform following file operations with respect to problem statement/application:

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Open, read and write with various modes, append, delete and downloading file.

Answer: Code with output screenshots

```
<?php  
  
$file = "sample.txt";  
  
  
  
$file_write = fopen($file, "w");  
  
fwrite($file_write, "Hello! This is a sample text file.\n");  
  
fwrite($file_write, "PHP file handling demonstration.\n");  
  
fclose($file_write);  
  
echo "File created and written successfully.<br>";  
  
  
  
  
$file_append = fopen($file, "a");  
  
fwrite($file_append, "This is appended content.\n");  
  
fclose($file_append);  
  
echo "Content appended successfully.<br>";  
  
  
  
  
$file_read = fopen($file, "r");  
  
echo "<h3>File Contents:</h3><pre>";  
  
echo fread($file_read, filesize($file));  
  
fclose($file_read);
```

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```
echo "</pre>";
```

```
if (isset($_POST['delete'])) {  
  
    if (file_exists($file)) {  
  
        unlink($file);  
  
        echo "File deleted successfully.<br>";  
  
    } else {  
  
        echo "File does not exist.<br>";  
  
    }  
  
}  
  
  
  
  
if (isset($_POST['download'])) {  
  
    if (file_exists($file)) {  
  
        header("Content-Disposition: attachment; filename=" . basename($file));  
  
        header("Content-Type: application/octet-stream");  
  
        header("Content-Length: " . filesize($file));  
  
        readfile($file);  
  
        exit;  
  
    } else {  
  
        echo "File not found for download.<br>";  
  
    }  

```

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}

?>

<html>

<body>

<h2>File Operations</h2>

<form method="post">

<button type="submit" name="delete">Delete File</button>

<button type="submit" name="download">Download File</button>

</form>

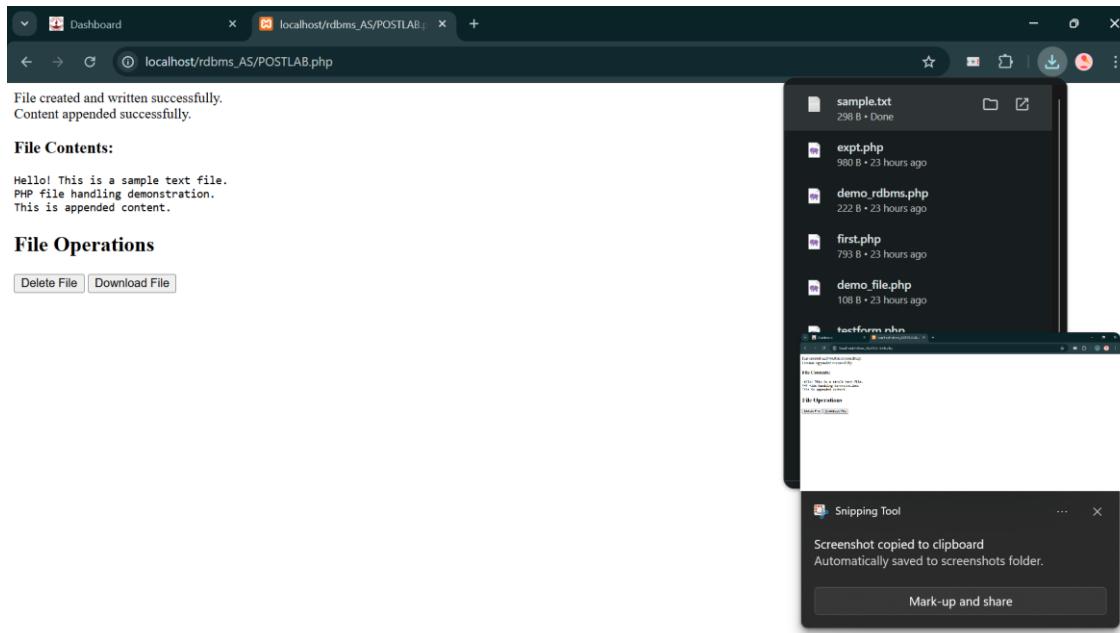
</body>

</html>



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Downloaded the file:



Deleted the file:

