

K. J. Somaiya College of Engineering, Mumbai-77
(A Constituent College of Somaiya Vidyavihar University)

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");
    }

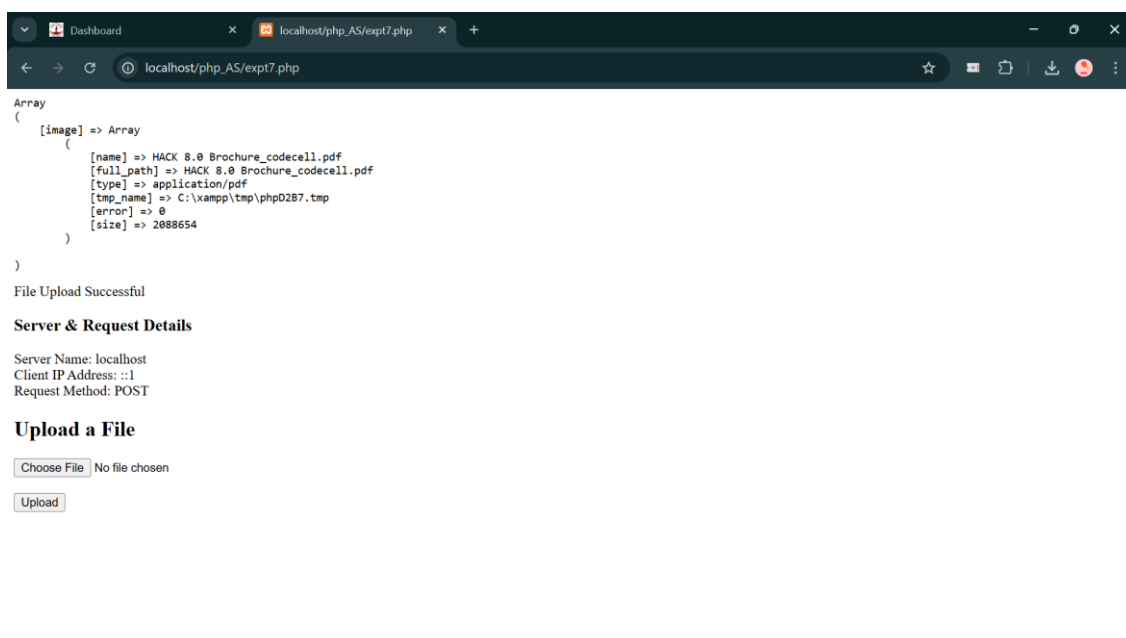
    if (move_uploaded_file($file_tmp, "uploads/" . $file_name)) {
        echo "File Upload Successful";
    } else {
        echo "File Upload Failed";
    }
}

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

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```
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>";
```

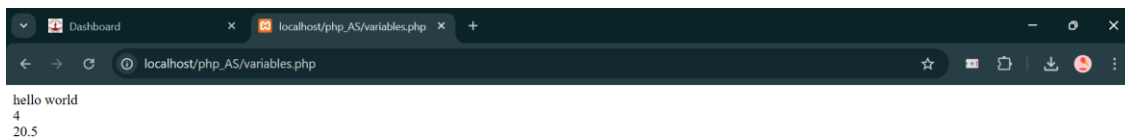
```
echo $x;
```

```
echo "<br>";
```

```
echo $y;
```

```
?>
```

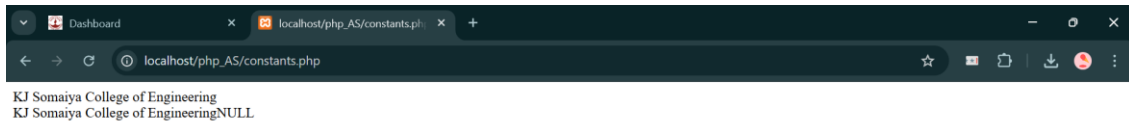
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```
<?php  
define("College", "KJ Somaiya College of Engineering");  
  
echo College;  
  
echo "<br>";  
  
const MESSAGE = "KJ Somaiya College of Engineering";  
  
echo MESSAGE;  
  
$y = null;  
  
var_dump($y);  
  
echo "<br>";  
  
?>
```

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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"),
```

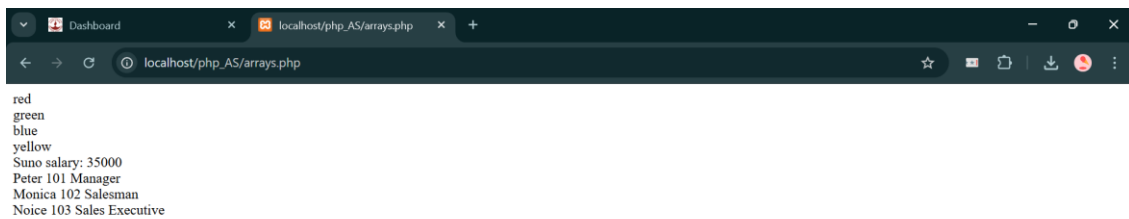
```
    array("Monica", 102, "Salesman"),
```

```
    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>";  
}  
?>
```



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'];

}

?>
```

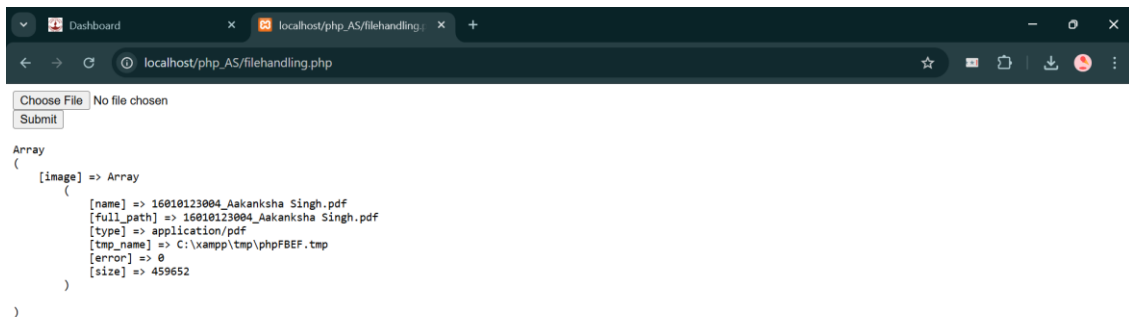


5. File Handling & Uploads

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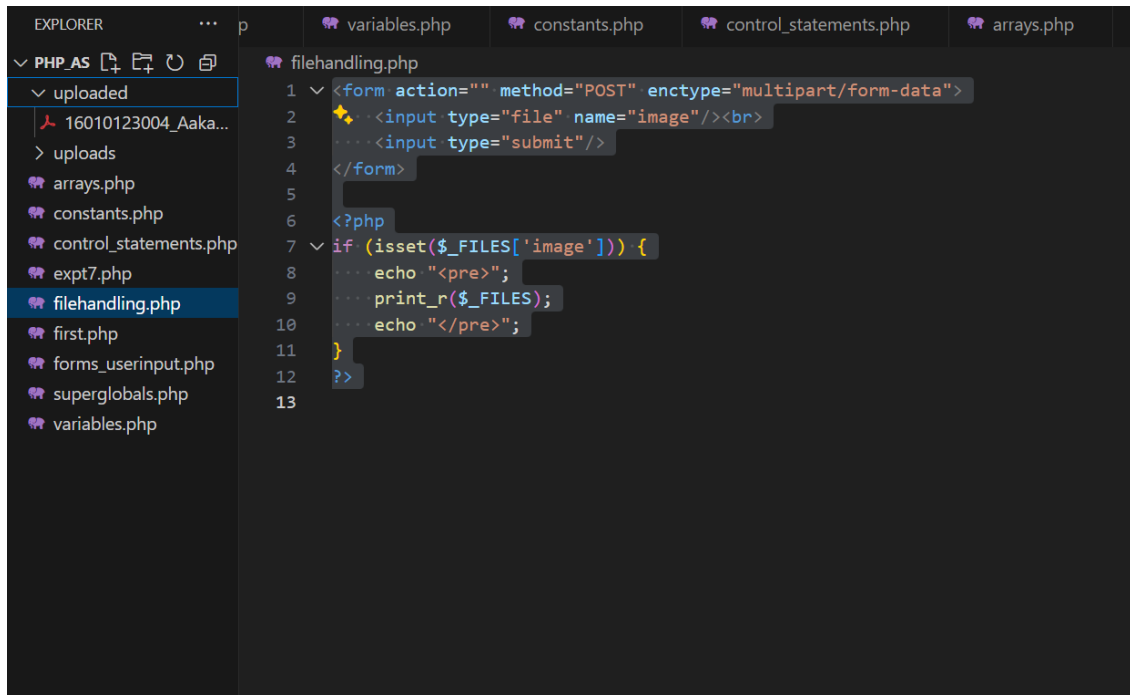
```
<form action="" method="POST" enctype="multipart/form-data">  
  
    <input type="file" name="image"/><br>  
  
    <input type="submit"/>  
  
</form>
```

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



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```

1 <form action="" method="POST" enctype="multipart/form-data">
2 <input type="file" name="image"/><br>
3 <input type="submit"/>
4 </form>
5
6 <?php
7 if (isset($_FILES['image'])) {
8     echo "<pre>";
9     print_r($_FILES);
10    echo "</pre>";
11 }
12 ?>
13

```

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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Dashboard × localhost/rdbms_AS/form_validation.php × +

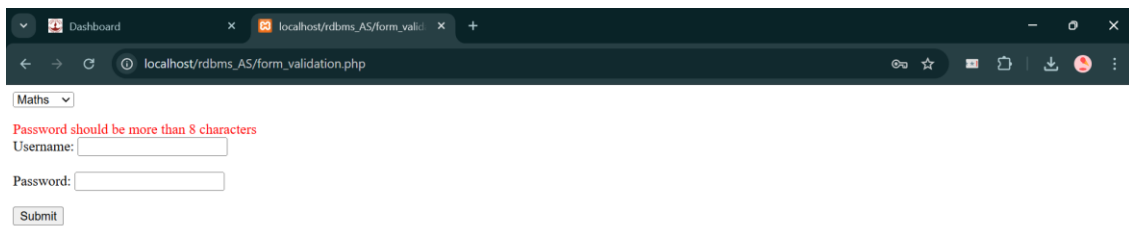
localhost/rdbms_AS/form_validation.php

Maths ▾

Username: aakanksha02

Password: ***

Submit



Dashboard × localhost/rdbms_AS/form_validation.php × +

localhost/rdbms_AS/form_validation.php

Maths ▾

Password should be more than 8 characters

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">

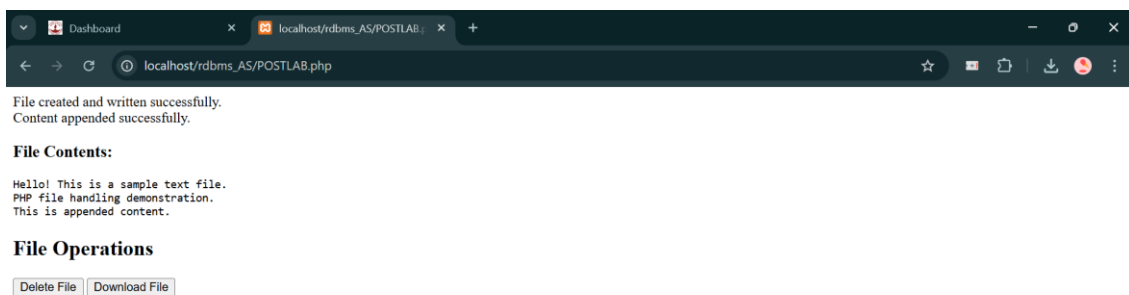
<button type="submit" name="delete">Delete File</button>

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

</form>

</body>

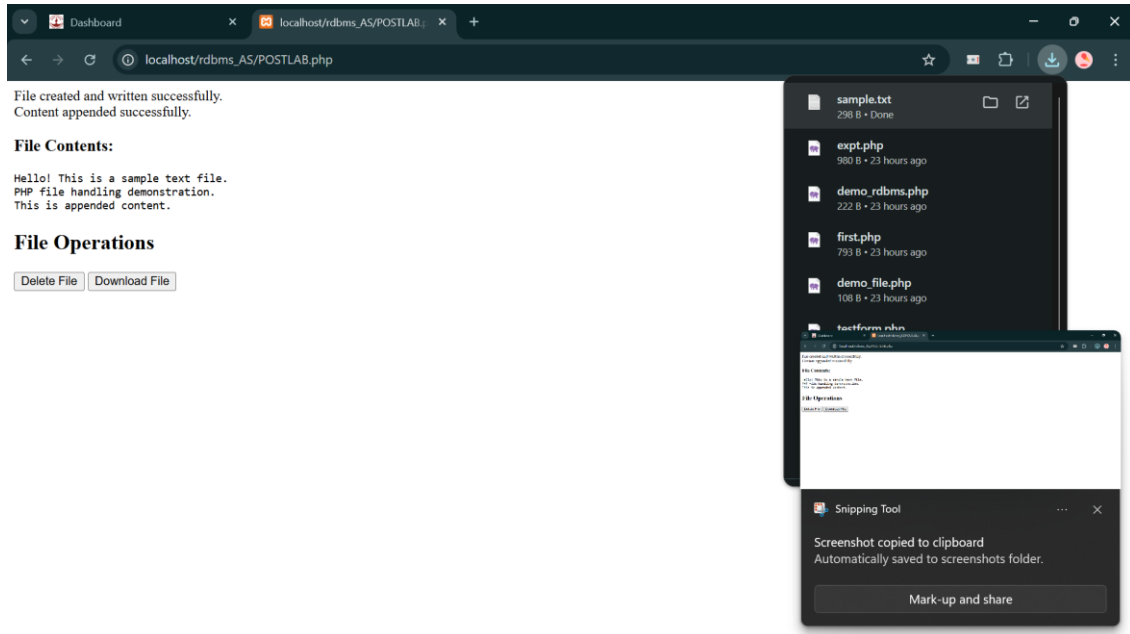
</html>



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Downloaded the file:



Deleted the file:

