**Batch:-** B-2    **Roll No:-** 16010122151

**Experiment No. 07**

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**TITLE: Demonstrate the 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:**

**Problem Statement: Description of the application implemented with output**:

**A registration form that requires your Photo for registration purpose.**

**PHP Basic Concepts Learned With Syntax**

**Description of the application implemented with output**:

```php
<?php
// Check if the form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $target_dir = "uploads/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
$uploadOk = 1;
$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

// Check if image file is a actual image or fake image
if(isset($_POST["submit"])) {
  $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
  if($check !== false) {
    echo "File is an image - " . $check["mime"] . ".";
    $uploadOk = 1;
  } else {
    echo "File is not an image.";
    $uploadOk = 0;
  }
}

// Check if file already exists
if (file_exists($target_file)) {
  echo "Sorry, file already exists.";
  $uploadOk = 0;
}

// Check file size
if ($_FILES["fileToUpload"]["size"] > 500000)
  {echo "Sorry, your file is too large.";
  $uploadOk = 0;
}

// Allow certain file formats
if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType !=
"jpeg"
&& $imageFileType != "gif" ) {
  echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
  $uploadOk = 0;
}

// Check if $uploadOk is set to 0 by an error
if ($uploadOk == 0) {
  echo "Sorry, your file was not uploaded.";
// if everything is ok, try to upload file
} else {
  if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
    echo "The file ". htmlspecialchars( basename( $_FILES["fileToUpload"]["name"])).
" has been uploaded.";
```

```
    } else {
      echo "Sorry, there was an error uploading your file.";
    }
  }
}
?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
</head>
<body>
    <h2>Registration Form</h2>
    <form action="process_registration.php" method="post" enctype="multipart/form-data">
  Select image to upload:
  <input type="file" name="fileToUpload" id="fileToUpload">
  <input type="submit" value="Upload Image" name="submit">
</form>
</body>
</html>
```

File is an image - image/webp.The file hero-image-mustang .jpg has been uploaded.

**Registration Form**

Select image to upload: [Choose File] No file chosen        [Upload Image]

**Description of the application implemented with output**:

File is an image - image/webp.The file hero-image-mustang .jpg has been uploaded.

**Registration Form**

Select image to upload: [Choose File] No file chosen     [Upload Image]

**Post Lab Questions:**

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

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

**Answer: Code with output screenshots**

## File Written Successfully!

## File Operations

Filename: [                    ]

Content:

[                              ]

Select Operation: [ Read ▾ ]

[ Submit ]

## File Content:

`Hello World`

## File Operations

Filename: [                    ]

Content:

[                              ]

Select Operation: [ Read ▾ ]

[ Submit ]

## File Content:

Hello WorldHi I am Computer.

## File Operations

Filename: [                    ]

Content:

[                              ]

Select Operation: [ Read  ▾ ]

[ Submit ]

---

## File Deleted Successfully!

## File Operations

Filename: [                    ]

Content:

[                              ]

Select Operation: [ Delete ▾ ]

[ Submit ]

```php
<?php

// Get form data

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    // Get form data

    $filename = $_POST['filename'];

    $content = $_POST['content'];

    $operation = $_POST['operation'];


    // Perform file operations based on selected operation

    switch ($operation) {

        case 'read':

            $fileContent = file_get_contents($filename);

            echo "<h2>File Content:</h2>";

            echo "<pre>$fileContent</pre>";

            break;


        case 'write':

            $file = fopen($filename, "w");

            fwrite($file, $content);

            fclose($file);
```

```php
echo "<h2>File Written Successfully!</h2>";

break;


case 'append':

    $file = fopen($filename, "a");

    fwrite($file, $content);

    fclose($file);

    echo "<h2>Content Appended Successfully!</h2>";

    break;


case 'delete':

    if (unlink($filename)) {

        echo "<h2>File Deleted Successfully!</h2>";

    } else {

        echo "<h2>Error Deleting File!</h2>";

    }

    break;


default:

    echo "<h2>Invalid Operation!</h2>";

    break;
```

```php
    }

}

?>
```

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>File Operations</title>

</head>

<body>

    <h2>File Operations</h2>

    <form action="fileop.php" method="post">

        <label for="filename">Filename:</label>

        <input type="text" id="filename" name="filename" required><br><br>


        <label for="content">Content:</label><br>

        <textarea id="content" name="content" rows="4" cols="50"></textarea><br><br>


        <label for="operation">Select Operation:</label>
```

```
<select id="operation" name="operation" required>if ($_SERVER["REQUEST_METHOD"] == "POST") {

    <option value="read">Read</option>

    <option value="write">Write</option>

    <option value="append">Append</option>

    <option value="delete">Delete</option>

</select><br><br>



    <input type="submit" value="Submit">

</form>

</body>

</html>
```