K. J. Somaiya College of Engineering, Mumbai-77

(A Constituent College of Somaiya Vidyavihar University)

Batch: A3	**Roll No.: 16010121045**
Experiment No. 06	

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:

To design and implement a blog site that allows multiple users to create and manage their own blogs, while also providing functionality for users to view, search, and comment on other blogs. The site will support CRUD operations for each entity, along with the support for querying of blogs by title or content, and all blogs and comments associated with a specific user and all comments associated with a specific blog.

PHP Basic Concepts Learned With Syntax

connection.php (code to connect php to the database)

```php
<?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "blogsite";

    // Create connection
    $conn = mysqli_connect($servername, $username, $password, $dbname);
    // Check connection
    if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
    }
?>
```

Description of the application implemented with output:

The create page in the blog-site allows users to create a new blog of their own which is stored in the sql database.

html form (to get the input from the user)

```html
<form action="../scripts/upload.php" method="POST"
enctype="multipart/form-data">
                <input type="text" name="title"
class="input" placeholder="Write your title here......">
                <div class="blog-img">
                    <label for="file" id="output-label">
                        <img src="../images/img-
upload.svg" alt="Image-upload" id="output">
                        <span></span>
                    </label>
                    <input type="file" accept="image/*"
name="image" id="file" onchange="loadFile(event)"
style="display: none; width: 100vh;">
                </div>
                <textarea name="content" id="content"
class="input" placeholder="Write your content
here......"></textarea>
                <input type="text" name="hashtags"
id="hashtags" autocomplete="off" placeholder="Type your
hashtags and press space">
                <div class="tag-container">
                </div>
                <button id="publish-btn" type="submit"
class="btn">PUBLISH</button>
                <button type="submit" class="neu-
btn">SAVE DRAFT</button>
</form>
```

javascript (to store the data temporarily in the browser cache)

```javascript
        var loadFile = function(event) {
            var image = document.getElementById('output');
            var label = document.getElementById('output-label');
            label.innerHTML = "Upload another Image";
            image.style.width = "100%";
            image.src =
URL.createObjectURL(event.target.files[0]);
        };


        // Hashtags
        let input, hashtagArray, container, t;
        input = document.querySelector('#hashtags');
        container = document.querySelector('.tag-container');
        hashtagArray = [];
        input.addEventListener('keyup', () => {
            if (event.which == 32 && input.value.length > 0
&& input.value.trim() !== '') {
                var text =
document.createTextNode(input.value);
                var p = document.createElement('p');
                container.appendChild(p);
                p.appendChild(text);
                p.classList.add('tag');
                hashtagArray.push(input.value);
                console.log(hashtagArray)
                input.value = '';

                let deleteTags =
document.querySelectorAll('.tag');

                for (let i = 0; i < deleteTags.length; i++) {
                    deleteTags[i].addEventListener('click',
() => {

                        container.removeChild(deleteTags[i]);
                        hashtagArray.splice(i, 1);
                    });
```

```javascript
            }
          }
        });

        document.getElementById('publish-
btn').addEventListener('click', function(event) {
            event.preventDefault(); // Prevent the default
form submission
            let hiddenInput =
document.createElement('input');
            hiddenInput.type = 'hidden';
            hiddenInput.name = 'hashtags';
            hiddenInput.value = JSON.stringify(hashtagArray);
            this.parentNode.appendChild(hiddenInput);
            this.parentNode.submit();
});
```

php (to store the images in local storage)

```php
<?php
    //connect to database
    include('../scripts/connection.php');

    //start the session
    session_start();

    //query to get the max blogid
    $query = "SELECT MAX(blogid) as maxblogid FROM blogs";
    $result = mysqli_query($conn, $query);
    $row = mysqli_fetch_assoc($result);

    //increment the userid by 1
    $maxid = $row['maxblogid'];
    $newid = $maxid + 1;


    //get data from form
    $title = $_POST["title"];
    $content = $_POST["content"];
```

```php
    $date = date('Y-m-d');
    $image = $_FILES['image']['name'];
    $target = "../images/blog_data/".basename($newid).
".png";
    move_uploaded_file($_FILES['image']['tmp_name'],
$target);
    echo "$target";

    $hashtags = json_decode($_POST['hashtags']);
    $serializedhash = serialize($hashtags);

    $sql = "INSERT INTO blogs (title, content, blogid,
userid,date_of_upload,blog_image,hashtags)
    VALUES ('$title', '$content', '$newid',
'$_SESSION[user_id]','$date','$image','$serializedhash')";

    if (mysqli_query($conn, $sql)) {
        header("Location: ../pages/home.php");
    }
    //close connection
    mysqli_close($conn);
?>
```

OUTPUT

images stored in local storage with the image name as the blogid
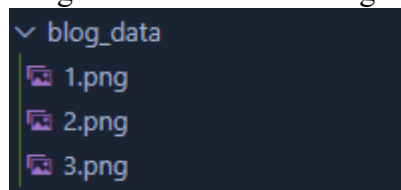
path of the images stored in the sql database.

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.

```php
<?php
// File paths
$filename = 'example.txt';
$downloadFile = 'example.pdf';
// Open file for reading
$file = fopen($filename, 'r');
if ($file) {
    // Read file content
    $content = fread($file, filesize($filename));
    echo "File content: $content<br>";

    // Close file
    fclose($file);
}

// Open file for writing
$file = fopen($filename, 'w');
if ($file) {
    // Write content to file
    $content = 'This is some new content.';
    fwrite($file, $content);

    // Close file
    fclose($file);
}

// Open file for appending
$file = fopen($filename, 'a');
if ($file) {
    // Append content to file
    $content = 'This content will be appended.';
    fwrite($file, $content);

    // Close file
```

```php
    fclose($file);
}


// Delete file
if (file_exists($filename)) {
    unlink($filename);
    echo "File deleted successfully.<br>";
}


// Download file
if (file_exists($downloadFile)) {
    header('Content-Type: application/pdf');
    header("Content-Disposition: attachment;
filename=\"$downloadFile\"");
    readfile($downloadFile);
}
```