



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

DIGITAL ASSIGNMENT 4

(VTOP Submission due date: 01-AUG-2023)

Subject: ITA6003 Internet and Web Programming Lab

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Registration Number: 22MCA0321

1. Demonstrate how to register a variable using session and how to link correctly to another page using SID.

index.php:

```
<?php
session_start();

if ($_SERVER["REQUEST_METHOD"] === "POST" && isset($_POST['username'])) {
    $_SESSION['username'] = htmlspecialchars($_POST['username']);
}
?>

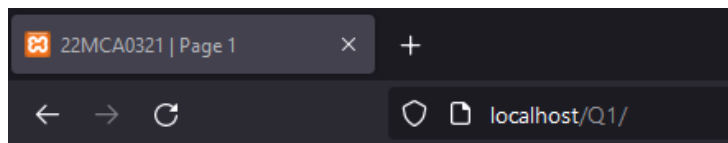
<!DOCTYPE html>
<html>
<head>
    <title>22MCA0321 | Page 1</title>
</head>
<body>
    <h1>Welcome to the Main Page</h1>
    <form method="post">
        <label for="username">Enter your username:</label>
        <input type="text" name="username" id="username" required>
        <input type="submit" value="Submit">
    </form>

    <?php if (isset($_SESSION['username'])) : ?>
        <a href="next_page.php?<?php echo htmlspecialchars(SID); ?>">Go to
next page</a>
```

```
<?php endif; ?>
</body>
</html>
```

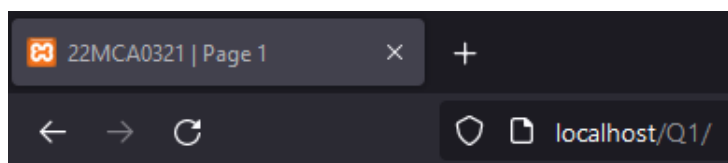
next_page.php:

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<head>
    <title>22MCA0321 | Next Page</title>
</head>
<body>
    <h1>Welcome to the Next Page</h1>
    <p>Hello, <?php echo $_SESSION['username']; ?></p>
</body>
</html>
```



Welcome to the Main Page

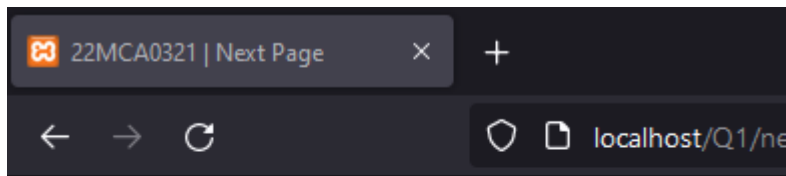
Enter your username:



Welcome to the Main Page

Enter your username:

[Go to next page](#)



Welcome to the Next Page

Hello, Master

2. Write a PHP script to upload 'Internet and Web Programming J Component File' with the following constraints.
 - a. Student should upload either in .doc, .docx, pdf files only
 - b. Maximum file size is 10 MB
 - c. Prevent file duplication when a file is uploaded again.

```
<?php
function isValidFileExtension($fileName) {
    $allowedExtensions = array('doc', 'docx', 'pdf');
    $fileExtension = pathinfo($fileName, PATHINFO_EXTENSION);
    return in_array($fileExtension, $allowedExtensions);
}

function isValidFileSize($fileSize, $maxSize) {
    return $fileSize <= $maxSize;
}

function isFileAlreadyUploaded($fileName, $targetDirectory) {
    $filePath = $targetDirectory . $fileName;
    return file_exists($filePath);
}

function showError($errorMessage) {
    echo "<p class='error-message'>$errorMessage</p>";
}

function showSuccess($successMessage) {
    echo "<p class='success-message'>$successMessage</p>";
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>22MCA0321 | File Upload</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            background-color: #f9f9f9;
            padding: 50px;
        }

        h2 {
            color: #333;
            margin-bottom: 20px;
        }

        .upload-form {
```

```

        max-width: 300px;
        margin: 0 auto;
        background-color: #fff;
        padding: 20px;
        border: 1px solid #ccc;
        border-radius: 5px;
        box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }

    .upload-form input[type="file"] {
        padding: 10px;
        margin-bottom: 10px;
        width: 100%;
    }

    .upload-form input[type="submit"] {
        background-color: #4CAF50;
        color: #fff;
        padding: 10px 20px;
        border: none;
        cursor: pointer;
        border-radius: 3px;
        width: 100%;
    }

    .upload-form input[type="submit"]:hover {
        background-color: #45a049;
    }

    .error-message {
        color: #f44336;
        margin-top: 10px;
    }

    .success-message {
        color: #4CAF50;
        margin-top: 10px;
    }
}
</style>
</head>
<body>
    <div class="upload-form">
        <h2>Upload 'Internet and Web Programming J Component File'</h2>
        <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>"
method="post" enctype="multipart/form-data">
            <input type="file" name="file" id="file">
            <input type="submit" name="submit" value="Upload">
        </form>
    </div>

```

```

</div>

<div class="error-space">
    <?php
    if ($_SERVER["REQUEST_METHOD"] === "POST") {
        $targetDirectory = "uploads/";
        $maxFileSize = 10 * 1024 * 1024; // 10 MB

        // Check if a file was uploaded
        if (isset($_FILES["file"]) && $_FILES["file"]["error"] ===
UPLOAD_ERR_OK) {
            $fileName = $_FILES["file"]["name"];
            $fileSize = $_FILES["file"]["size"];
            $fileTmpName = $_FILES["file"]["tmp_name"];

            // Validate file extension
            if (!isValidFileExtension($fileName)) {
                showError("Error: Invalid file extension. Only .doc,
.docx, and .pdf files are allowed.");
            }

            // Validate file size
            elseif (!isValidFileSize($fileSize, $maxFileSize)) {
                showError("Error: File size exceeds the maximum limit of
10 MB.");
            }

            // Check if the file already exists
            elseif (isFileAlreadyUploaded($fileName, $targetDirectory)) {
                showError("Error: File with the same name already exists.
Please upload a different file.");
            }

            // Move the uploaded file to the target directory
            elseif (move_uploaded_file($fileTmpName, $targetDirectory .
$fileName)) {
                showSuccess("File uploaded successfully.");
            } else {
                showError("Error uploading the file.");
            }
        } else {
            showError("Error: Please select a valid file.");
        }
    }
    ?>
</div>
</body>
</html>

```

