DEPARTMENT OF COMPUTER SCIENCE
RAJAGIRI COLLEGE OF SOCIAL SCIENCES
(Autonomous)
KALAMASSERY - KOCHI - 683104

MASTER OF COMPUTER APPLICATIONS

WTL LAB RECORD

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SEMESTER : SECOND

REGISTER NO. : 23204036

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CERTIFICATE

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Certified that this is a bonafide record of work done by the ***MUHAMMAD ANSHAD P A*** *in the Software Laboratory of Department of Computer Science, Rajagiri College of Social Sciences, Kalamassery.*

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Program 1.1	Date: 01/01/2024

Write a program using HTML and CSS, creating a horizontally scrollable container that will snap on elements when scrolling.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
        .horizontal-snap {
                margin: auto;
                border: solid black 2px;
                overflow-x: scroll;
                overflow-y: hidden;
                white-space: nowrap;
                scroll-snap-type: x mandatory;
        }
        .horizontal-snap>a {
                scroll-snap-align: center;
        }
        .horizontal-snap img {
                width: 30%;
                object-fit: contain;
                border-radius: 1rem;
        }
  </style>
  <title>Horizontal_snap</title>
</head>
<body>
  <div class="horizontal-snap">
  <img src="p1_1.jpg" alt="img">
  <img src="p1_1.jpg" alt="img">
  <img src="p1_1.jpg" alt="img">
  <img src="p1_1.jpg" alt="img">
  <img src="p1_1.jpg" alt="img">
  </div>
</body>
</html>
```

OUTPUT :

Horizontal_snap
File
E:/MCA/SEM%202/WTL/WTL%...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...

Program 1.2	Date: 01/01/2024

Write a program to implement CSS Forms.

CODE :

```
 <!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-
scale=1.0">
	<title>CSS Form</title>
	<style>
		body {
			font-family: Arial, sans-serif;
			background-color: #f4f4f4;
			margin: 0;
			padding: 0;
		}
		.container {
			max-width: 500px;
			margin: 50px auto;
			padding: 20px;
			background-color: #fff;
			border-radius: 5px;
			box-shadow: 0 0 10px rgba(0,0,0,0.1);
		}
		.form-group {
			margin-bottom: 20px;
		}
		label {
			/* display: block; */
			font-weight: bold;
			margin-bottom: 5px;
		}
		input[type="text"],
		input[type="email"],
		input[type="password"],
		textarea,
```

```
select {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    box-sizing: border-box;
    margin-top: 5px;
    margin-bottom: 10px;
}
input[type="radio"],
input[type="checkbox"] {
    margin-right: 5px;
    display: inline-block;
}
input[type="submit"] {
    background-color: #4caf50;
    color: #fff;
    border: none;
    padding: 15px 30px;
    border-radius: 5px;
    cursor: pointer;
    display: block;
    margin-top: 20px;
    font-weight: bold;
}
input[type="submit"]:hover {
    background-color: #45a049;
}
/* Style the file input */
input[type="file"] {
    display: none;
}
.file-upload {
    display: inline-block;
    background-color: #ff0000;
    color: #fff;
    padding: 8px 16px;
    border-radius: 5px;
    cursor: pointer;
}
.file-upload:hover {
    background-color: #cc0000;
}
```

```
            .file-upload input[type="file"] {
                display: none;
            }
        </style>
</head>
<body>

<div class="container">
        <h2 style="text-align: center;">Sign Up Form</h2>
        <form>
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username"
required>
            </div>
            <div class="form-group">
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password"
required>
            </div>
            <div class="form-group">
                <label for="message">Message:</label>
                <textarea id="message" name="message"
rows="4"></textarea>
            </div>
            <div class="form-group">
                <label for="gender">Gender:</label>
                <input type="radio" id="male" name="gender"
value="male">
                <label for="male">Male</label>
                <input type="radio" id="female" name="gender"
value="female">
                <label for="female">Female</label>
            </div>
            <div class="form-group">
                <label for="interests">Interests:</label>
                <input type="checkbox" id="coding" name="interests"
value="coding">
                <label for="coding">Coding</label>
```

```
                <input type="checkbox" id="reading" name="interests"
value="reading">
                <label for="reading">Reading</label>
                <input type="checkbox" id="sports" name="interests"
value="sports">
                <label for="sports">Sports</label>
            </div>
            <div class="form-group">
                <label for="country">Country:</label>
                <select id="country" name="country">
                    <option value="india">INDIA</option>
                    <option value="uk">UK</option>
                    <option value="canada">Canada</option>
                    <option value="australia">Australia</option>
                </select>
            </div>
            <div class="form-group">
                <label for="file">Choose File:</label>
                <label class="file-upload">
                    <input type="file" id="file" name="file">
                    Upload
                </label>
            </div>
            <input type="submit" value="Submit">
        </form>
</div>

</body>
</html>
```

OUTPUT :

CSS Form
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PRO...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Sign Up Form
Username:
Email:
Password:
Message:
Gender: Male Female
Interests: Coding Reading Sports
Country:
INDIA
Choose File: Upload
Submit

Program 1.3	Date: 02/01/2024

How to Implement Image Zoom On Hover and disable right click on Webpage?

CODE :

```
<!DOCTYPE html>
 <html lang="en">
 <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-
scale=1.0">
        <title>Image Zoom and Right Click Disable</title>
        <style>
               .container {
                      text-align: center;
               }

               .zoom-image {
                      width: 300px; /* Adjust image size as needed */
                      transition: transform 0.5s;
               }

               .zoom-image:hover {
                      transform: scale(1.5); /* Adjust the scale factor for zoom
effect */
                      cursor: zoom-in;
               }
        </style>
 </head>
 <body oncontextmenu="return false;">
        <div class="container">
               <img src="p1_3.jpg" alt="Image" class="zoom-image">
               <img src="p1_3.jpg" alt="Image" class="zoom-image">
               <img src="p1_3.jpg" alt="Image" class="zoom-image">
        </div>

        <!--    To disable the default right-click behavior on the webpage. -->
        <script>
               document.addEventListener('contextmenu', function(e) {
```

```
                e.preventDefault();
            });
        </script>
    </body>
    </html>
```

OUTPUT :

Image Zoom and Right Click Di
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/p1_3.html
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Rajagiri College of S...
Rajagiri College of S...

Program 1.4	Date: 04/01/2024

How to attach audio to a webpage?

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Audio</title>
</head>
<body>
	<h1>Audio Example</h1>

	<audio controls>
		<source src="p1_4.mp3" type="audio/mpeg">
		Your browser does not support the audio element.
	</audio>
</body>
</html>
```

OUTPUT :

Audio
File
E:/MCA/SE...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
Audio Example
1:03 / 5:22

Program 1.5	Date: 05/01/2024

How to embed pdf files in a webpage?

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Embed PDF</title>
</head>
<body>
	<h1>PDF Embed Example</h1>

	<iframe src="p1_5.pdf" width="60%" height="600px" style="border: none;"></iframe>
</body>
</html>
```

OUTPUT :

Embed PDF
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P1_5.html
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Rajagiri College of S...
Rajagiri College of S...
PDF Embed Example
1 / 30
Java Database Connectivity (JDBC)

Program 1.6	Date: 06/01/2024

How to implement a simple calculator using HTML?

CODE :

```
<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
   <meta charset="utf-8">
   <title>Simple Calculator</title>
<style>
      @import
url('https://fonts.googleapis.com/css2?family=Orbitron&display=swap');

      .calculator {
            padding: 10px;
            border-radius: 1em;
            height: 380px;
            width: 400px;
            margin: auto;
            background-color: #191b28;
            box-shadow: rgba(0, 0, 0, 0.19) 0px 10px 20px, rgba(0, 0, 0, 0.23)
0px 6px 6px;
      }

      .display-box {
            font-family: 'Orbitron', sans-serif;
            background-color: #dcdbe1;
            border: solid black 0.5px;
            color: black;
            border-radius: 5px;
            width: 100%;
            height: 65%;
      }

      #btn {
```

```
            background-color: #fb0066;
        }

        input[type=button] {
            font-family: 'Orbitron', sans-serif;
            background-color: #64278f;
            color: white;
            border: solid black 0.5px;
            width: 100%;
            border-radius: 5px;
            height: 70%;
            outline: none;
        }

        input:active[type=button] {
            background: #e5e5e5;
            -webkit-box-shadow: inset 0px 0px 5px #c1c1c1;
            -moz-box-shadow: inset 0px 0px 5px #c1c1c1;
            box-shadow: inset 0px 0px 5px #c1c1c1;
        }
</style>
</head>

<body>

<table class="calculator" >
    <tr>
        <td  colspan="3"> <input  class="display-box"  type="text"  id="result"
disabled /> </td>

        <!-- clearScreen() function clears all the values -->
        <td> <input type="button" value="C" onclick="clearScreen()" id="btn"
/> </td>
    </tr>
    <tr>
        <!-- display() function displays the value of clicked button -->
        <td> <input type="button" value="1" onclick="display('1')" /> </td>
        <td> <input type="button" value="2" onclick="display('2')" /> </td>
        <td> <input type="button" value="3" onclick="display('3')" /> </td>
        <td> <input type="button" value="/" onclick="display('/')" /> </td>
    </tr>
    <tr>
        <td> <input type="button" value="4" onclick="display('4')" /> </td>
```

```
        <td> <input type="button" value="5" onclick="display('5')" /> </td>
        <td> <input type="button" value="6" onclick="display('6')" /> </td>
        <td> <input type="button" value="-" onclick="display('-')" /> </td>
    </tr>
    <tr>
        <td> <input type="button" value="7" onclick="display('7')" /> </td>
        <td> <input type="button" value="8" onclick="display('8')" /> </td>
        <td> <input type="button" value="9" onclick="display('9')" /> </td>
        <td> <input type="button" value="+" onclick="display('+')" /> </td>
    </tr>
    <tr>
        <td> <input type="button" value="." onclick="display('.')" /> </td>
        <td> <input type="button" value="0" onclick="display('0')" /> </td>

        <!-- calculate() function evaluates the mathematical expression -->
        <td> <input type="button" value="=" onclick="calculate()" id="btn" />
</td>
        <td> <input type="button" value="*" onclick="display('*')" /> </td>
    </tr>
</table>

<script>
        // This function clears all the values
function clearScreen() {
        document.getElementById("result").value = "";
}

// This function displays the values
function display(value) {
        document.getElementById("result").value += value;
}

// This function evaluates the expression and returns the result
function calculate() {
        var p = document.getElementById("result").value;
        var q = eval(p);
        document.getElementById("result").value = q;
}

</script>
</body>

</html>
```

OUTPUT :

Simple Calculator using HTML,
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P1...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
6/2
C
1
2
3
/
4
5
6
-
7
8
9
+
.
0
=
*

Program 1.7	Date: 07/01/2024

Write a program to create a comment box using HTML and CSS.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Comment Box</title>
	<style>
		body {
			font-family: Arial, sans-serif;
			background-color: #f4f4f4;
			margin: 0;
			padding: 0;
		}
		.comment-box {
			width: 400px;
			margin: 50px auto;
			background-color: #fff;
			border-radius: 10px;
			box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
			padding: 20px;
			box-sizing: border-box;
		}
		.comment-box textarea {
			width: 100%;
			height: 100px;
			padding: 10px;
			margin-bottom: 10px;
			border: 1px solid #ccc;
			border-radius: 5px;
			resize: none;
		}
```

```
            .comment-box input[type="submit"] {
                background-color: #4caf50;
                color: #fff;
                border: none;
                border-radius: 5px;
                padding: 10px 20px;
                cursor: pointer;
                transition: background-color 0.3s;
            }
            .comment-box input[type="submit"]:hover {
                background-color: #45a049;
            }
        </style>
</head>
<body>

<div class="comment-box">
        <h2>Add a Comment</h2>
        <form action="">
            <textarea  name="comment"  id="comment"  placeholder="Write
your comment here..." required></textarea>
            <br>
            <input type="submit" value="Submit">
        </form>
</div>

</body>
</html>
```

OUTPUT :

Comment Box
File
E:/MCA/SEM%202/WTL/WTL%20LAB%2...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Add a Comment
Write your comment here...
Submit

Program 1.8	Date: 08/01/2024

Write an HTML code to implement the CSS Loader.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>CSS Loader</title>
	<style>
		.loader {
			border: 4px solid #f3f3f3;
			border-top: 4px solid #3498db;
			border-radius: 50%;
			width: 40px;
			height: 40px;
			animation: spin 1s linear infinite;
			margin: 100px auto;
		}

		@keyframes spin {
			0% { transform: rotate(0deg); }
			100% { transform: rotate(360deg); }
		}
	</style>
</head>
<body>

<div class="loader"></div>

</body>
</html>
```

OUTPUT :

CSS Loader
File
E:/MCA/SEM%202/W...
Apps
Gmail
YouTube
Free Bootstrap The...
GitHub
Scheduledata

Program 1.9	Date: 09/01/2024

Write a program to Redirect a particular section using HTML on the same page.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Redirect to Section</title>
</head>
<body>

<h1>Welcome to My Website</h1>

<p>This is the homepage.</p>

<h2 id="about">About Us</h2>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi.</p>

<h2 id="contact">Contact Us</h2>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi.</p>

<p>You can <a href="#about">click here</a> to go to the About Us section.</p>
<p>You can <a href="#contact">click here</a> to go to the Contact Us section.</p>


</body>
</html>
```

OUTPUT :

Redirect to Section
File
E:/MCA/SEM%202/WTL/WTL%20LA...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Welcome to My Website
This is the homepage.
About Us
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi.
Contact Us
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi.
You can click here to go to the About Us section.
You can click here to go to the Contact Us section.

Program 2.1	Date: 10/01/2024

Write a program to implement pop-up boxes available in JavaScript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>JavaScript Pop-up Boxes</title>
	<script>
		function showAlert() {
			alert("This is an alert box!");
		}
		function showConfirm() {
			var result = confirm("Do you want to proceed?");
			if (result) {
				alert("You clicked OK!");
			} else {
				alert("You clicked Cancel!");
			}
		}
		function showPrompt() {
			var name = prompt("Please enter your name:");
			if (name !== null && name !== "") {
				alert("Hello, " + name + "!");
			} else {
				alert("You did not enter your name.");
			}
		}
	</script>
</head>
<body>
<button onclick="showAlert()">Show Alert</button>
<button onclick="showConfirm()">Show Confirm</button>
<button onclick="showPrompt()">Show Prompt</button>
</body>
```

```
</html>
```

OUTPUT :

JavaScript Pop-up Boxes
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Show Alert
Show Con
This page says
This is an alert box!
OK
JavaScript Pop-up Boxes
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Show Alert
Show Con
This page says
Do you want to proceed?
OK
Cancel
JavaScript Pop-up Boxes
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Show Alert
Show Con
This page says
Please enter your name:
Anshad
OK
Cancel

Program 2.2	Date: 11/01/2024

Write a program to implement pop-up boxes available in JavaScript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Find the Larger Integer</title>
	<script>
		function findLarger() {
			// Get the values entered by the user
			var num1 = parseInt(prompt("Enter the first integer:"));
			var num2 = parseInt(prompt("Enter the second integer:"));

			// Check if both inputs are valid integers
			if (!isNaN(num1) && !isNaN(num2)) {
				// Compare the two integers and display the larger one
				if (num1 > num2) {
					alert("The larger integer is: " + num1);
				} else if (num2 > num1) {
					alert("The larger integer is: " + num2);
				} else {
					alert("Both integers are equal.");
				}
			} else {
				alert("Please enter valid integers.");
			}
		}
	</script>
</head>
<body>
<button onclick="findLarger()">Find the Larger Integer</button>
</body>
</html>
```

OUTPUT :

Find the Larger Integer
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Find the Larger Integer
This page says
Enter the first integer:
35
OK
Cancel
Find the Larger Integer
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Find the Larger Integer
This page says
Enter the second integer:
10
OK
Cancel
Find the Larger Integer
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRA...
Gmail
YouTube
Find the Larger Integer
This page says
The larger integer is: 35
OK

Program 2.3	Date: 22/01/2024

Write a program to implement Email Validation in JavaScript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Email Validation</title>
	<script>
		function validateEmail() {
			// Get the email input value
			var email = document.getElementById("email").value;

			// Regular expression for email validation
			var regex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

			// Test if the email matches the regular expression
			if (regex.test(email)) {
				alert("Valid email address.");
			} else {
				alert("Invalid email address. Please enter a valid email.");
			}
		}
	</script>
</head>
<body>

<label for="email">Email:</label>
<input type="text" id="email" name="email">
<button onclick="validateEmail()">Validate Email</button>

</body>
</html>
```

OUTPUT :

Email Validation
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P2_3.html
Gmail
YouTube
Maps
Captive Portal
Rajagiri College of S...
Sign in to access Int...
Email:
anshadansha@gmail.com
Validate Email
This page says
Valid email address.
OK

Program 2.4	Date: 24/01/2024

Write a JavaScript program to sort the items of an array.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Sort Array</title>
</head>
<body>

<label for="inputValues">Enter comma-separated values:</label>
<input type="text" id="inputValues">
<button onclick="sortArray()">Sort Array</button>

<p id="arrayValues"></p>

<script>
	function sortArray() {
		// Get the input value from the textbox
		var input = document.getElementById("inputValues").value;
		// Split the input string into an array
		var items = input.split(",");
		// Sort the array
		items.sort();
		// Display the sorted array
		document.getElementById("arrayValues").innerHTML = "Sorted Array: " + items.join(", ");
	}
</script>

</body>
</html>
```

OUTPUT :

Sort Array
File
E:/MCA/SEM%202/WTL/WTL%20LAB%2...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Enter comma-separated values:
hari,nihal,binoy,anshad
Sort Array
Sorted Array: anshad, binoy, hari, nihal

Program 2.5	Date: 28/01/2024

Demonstrate Function call in JavaScript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Function Call Demo</title>
</head>
<body>

<p>Click the button to call the greet function.</p>

<button onclick="greet()">Call greet function</button>

<script>
	// Define a function called greet
	function greet() {
		alert("Hello! This is a function call demonstration.");
	}
</script>

</body>
</html>
```

OUTPUT :

Function Call Demo
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P2_5.html
Gmail
YouTube
Maps
Rajagiri College of S...
This page says
Hello! This is a function call demonstration.
OK
Click the button to call the greet function.
Call greet function

Program 2.6	Date: 28/01/2024

Write a JavaScript program to test the first character of a string is uppercase or not.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Test Uppercase</title>
</head>
<body>

<label for="inputString">Enter a string:</label>
<input type="text" id="inputString">
<button onclick="testUppercase()">Test Uppercase</button>

<p id="result"></p>

<script>
function testUppercase() {
// Get the input value from the text box
var inputString = document.getElementById("inputString").value;

// Check if the first character is uppercase
if (inputString.charAt(0) === inputString.charAt(0).toUpperCase()) {
document.getElementById("result").textContent = "The first character is uppercase.";
} else {
document.getElementById("result").textContent = "The first character is not uppercase.";
}
}
</script>

</body>
</html>
```

OUTPUT :

Test Uppercase
File
E:/MCA/SEM%202/WTL/WTL%...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
Enter a string:
Anshad
Test Uppercase
The first character is uppercase.

Program 2.7	Date: 1/02/2024

Write a JavaScript Program to Convert Decimal to Binary.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Decimal to Binary Converter</title>
</head>
<body>
<label for="decimalInput">Enter a decimal number:</label>
<input type="number" id="decimalInput">
<button onclick="convertToBinary()">Convert to Binary</button>
<p id="binaryOutput"></p>
<script>
function convertToBinary() {// Get the decimal input value
var decimalNumber =
parseInt(document.getElementById("decimalInput").value);
// Check if the input is a valid number
if (!isNaN(decimalNumber)) {
// Convert decimal to binary
var binaryNumber = decimalNumber.toString(2);

// Display the binary output
document.getElementById("binaryOutput").textContent = "Binary
representation: " + binaryNumber;
} else {
// Display error message for invalid input
document.getElementById("binaryOutput").textContent = "Invalid input.
Please enter a valid decimal number.";
}
}
</script>
</body>
</html>
```

OUTPUT :

Decimal to Binary Converter
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20P...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Enter a decimal number:
25
Convert to Binary
Binary representation: 11001

Program 2.8	Date: 2/02/2024

Create a webpage that displays the current date and time using Javascript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Current Date and Time</title>
</head>
<body>

<p id="dateTime"></p>

<script>
function updateDateTime() {
// Get the current date and time
var currentDate = new Date();

// Format the date and time as a string
var dateTimeString = currentDate.toLocaleString();

// Update the content of the HTML element
document.getElementById("dateTime").textContent = "Current Date and Time: " + dateTimeString;
}

// Call the function initially to display the current date and time
updateDateTime();

// Update the date and time every second
setInterval(updateDateTime, 1000);
</script>

</body>
```

```
</html></html>
```

OUTPUT :

Current Date and Time
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Current Date and Time: 3/18/2024, 3:18:56 PM

Program 2.9	Date: 2/02/2024

Implement a JavaScript program to change the background color randomly.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Random Background Color</title>
	<style>
		body {
			margin: 0;
			padding: 0;
			height: 100vh;
			display: flex;
			justify-content: center;
			align-items: center;
			font-size: 24px;
			color: white;
		}
	</style>
</head>
<body id="body">

<p>Click anywhere to change the background color randomly.</p>

<script>
	// Function to generate a random RGB color
	function getRandomColor() {
		var r = Math.floor(Math.random() * 256); // Random red value between 0 and 255
		var g = Math.floor(Math.random() * 256); // Random green value between 0 and 255
		var b = Math.floor(Math.random() * 256); // Random blue value
```

```
between 0 and 255
            return `rgb(${r}, ${g}, ${b})`; // Return the RGB color string
        }

        // Function to change the background color randomly
        function changeBackgroundColor() {
            var body = document.getElementById("body"); // Get the body
element
            var randomColor = getRandomColor(); // Get a random color
            body.style.backgroundColor = randomColor; // Set the background
color of the body
        }

        // Add event listener to change the background color when the document
is clicked
        document.addEventListener("click", changeBackgroundColor);
</script>

</body>
</html>
```

OUTPUT :

Random Background Color
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGR...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Click anywhere to change the background color randomly.

Random Background Color
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGR...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Click anywhere to change the background color randomly.

Program 2.10	Date: 4/02/2024

Write a JavaScript program to construct the pyramid pattern, using a nested for loop.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Pyramid Pattern</title>
	<style>
		body {
			font-family: Arial, sans-serif;
			text-align: center;
		}
	</style>
</head>
<body>
<script>
	// Define the height of the pyramid
	var height = 5;
	// Outer loop for rows
	for (var i = 1; i <= height; i++) {
		// Inner loop for spaces
		for (var j = height - i; j > 0; j--) {
			document.write(" "); // Output space
		}
		// Inner loop for stars
		for (var k = 1; k <= 2 * i - 1; k++) {
			document.write("* "); // Output star
		}
		document.write("<br>"); // Output newline
	}
</script>
</body>
</html>
```

OUTPUT :

Pyramid Pattern
File
E:/MCA/SEM%202/WTL/WTL%20L...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
*
* * *
* * * * *
* * * * * * *
* * * * * * * * *

Program 2.11	Date: 8/02/2024

Write a JavaScript Program to Solve Quadratic Equations.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Quadratic Equation Solver</title>
</head>
<body>

<label for="inputA">Enter the value of 'a':</label>
<input type="number" id="inputA"><br>

<label for="inputB">Enter the value of 'b':</label>
<input type="number" id="inputB"><br>

<label for="inputC">Enter the value of 'c':</label>
<input type="number" id="inputC"><br>

<button onclick="solveQuadratic()">Solve Quadratic Equation</button>

<p id="solution"></p>

<script>
function solveQuadratic() {
// Get the values of coefficients 'a', 'b', and 'c'
var a = parseFloat(document.getElementById("inputA").value);
var b = parseFloat(document.getElementById("inputB").value);
var c = parseFloat(document.getElementById("inputC").value);

// Check if 'a' is zero
if (a === 0) {
document.getElementById("solution").textContent = "This is not a quadratic equation. 'a' cannot be zero.";
return;
```

```
}

// Calculate the discriminant
var discriminant = b * b - 4 * a * c;

// Initialize variables to store solutions
var x1, x2;

// Check if the discriminant is positive, zero, or negative
if (discriminant > 0) {
// Two real and distinct roots
x1 = (-b + Math.sqrt(discriminant)) / (2 * a);
x2 = (-b - Math.sqrt(discriminant)) / (2 * a);
document.getElementById("solution").textContent = "The roots are: " + x1 +
" and " + x2;
} else if (discriminant === 0) {
// One real root (double root)
x1 = -b / (2 * a);
document.getElementById("solution").textContent = "The root is: " + x1;
} else {
// Complex roots
var realPart = -b / (2 * a);
var imaginaryPart = Math.sqrt(-discriminant) / (2 * a);
document.getElementById("solution").textContent = "The roots are complex:
" + realPart + " + " + imaginaryPart + "i and " + realPart + " - " +
imaginaryPart + "i";
}
}
</script>

</body>
</html>
```

OUTPUT :

Quadratic Equation Solver
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PROGRAMS/P2_1...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Rajagiri College of S...
Enter the value of 'a': 2
Enter the value of 'b': 40
Enter the value of 'c': 3
Solve Quadratic Equation
The roots are: -0.0752833793603962 and -19.924716620639604

Program 2.12	Date: 10/02/2024

Write a JavaScript function that accepts a string as a parameter and counts the number of vowels within the string.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Count Vowels</title>
</head>
<body>

<label for="inputString">Enter a string:</label>
<input type="text" id="inputString">
<button onclick="countVowels()">Count Vowels</button>

<p id="result"></p>

<script>
	function countVowels() {
		// Get the input string
		var inputString = document.getElementById("inputString").value.toLowerCase(); // Convert to lowercase for case-insensitive counting

		// Define an array containing the vowels
		var vowels = ['a', 'e', 'i', 'o', 'u'];

		// Initialize a variable to count the number of vowels
		var vowelCount = 0;

		// Loop through each character in the input string
		for (var i = 0; i < inputString.length; i++) {
```

```
                // Check if the current character is a vowel
                if (vowels.includes(inputString[i])) {
                        // If it's a vowel, increment the vowel count
                        vowelCount++;
                }
        }

        // Display the result
        document.getElementById("result").textContent = "Number of vowels: " + vowelCount;
    }
</script>

</body>
</html>
```

OUTPUT :

Count Vowels
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PRO...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Enter a string:
anshad
Count Vowels
Number of vowels: 2

Program 2.13	Date: 14/02/2024

Write a program to Toggle Password Visibility in JavaScript.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Password Visibility Toggle</title>
</head>
<body>
<label for="password">Password:</label>
<input type="password" id="password">
<input type="checkbox" id="toggleCheckbox" onclick="togglePasswordVisibility()">
<label for="toggleCheckbox">Show Password</label>
<script>
function togglePasswordVisibility() {// Get the password input element and the toggle checkbox
var passwordInput = document.getElementById("password");
var toggleCheckbox = document.getElementById("toggleCheckbox");

// Check if the checkbox is checked
if (toggleCheckbox.checked) {
// If checked, set the type of the password input to "text" to show the password
passwordInput.type = "text";
} else {
// If not checked, set the type of the password input back to "password" to hide the password
passwordInput.type = "password";
}
}
</script>
</body>
</html>
```

OUTPUT :

Password Visibility Toggle
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PRO...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Password:
Show Password

Password Visibility Toggle
File
E:/MCA/SEM%202/WTL/WTL%20LAB%20PRO...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Password:
ANSHAD
Show Password

Program 3.1	Date: 20/02/2024

Write a program to demonstrate the Fibonacci sequence in JSON.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Fibonacci Sequence in JSON</title>
</head>
<body>

<label for="fibonacciCount">Enter the number of Fibonacci numbers:</label>
<input type="number" id="fibonacciCount"><br>
<button onclick="generateFibonacciJSON()">Generate Fibonacci Sequence</button>

<p id="fibonacciOutput"></p>

<script>
// Function to generate the Fibonacci sequence and return it as a JSON string
function generateFibonacciJSON() {
var fibonacciCount = parseInt(document.getElementById("fibonacciCount").value);

if (isNaN(fibonacciCount) || fibonacciCount <= 0) {
document.getElementById("fibonacciOutput").textContent = "Please enter a valid positive integer.";
return;
}

var fibonacciSequence = [0, 1];

for (var i = 2; i < fibonacciCount; i++) {
fibonacciSequence.push(fibonacciSequence[i - 1] + fibonacciSequence[i -
```

```
2]);
}

var fibonacciJSON = JSON.stringify(fibonacciSequence);
document.getElementById("fibonacciOutput").textContent = "Fibonacci
Sequence (JSON): " + fibonacciJSON;
}
</script>

</body>
</html>
```

OUTPUT :

Fibonacci Sequence in JSON
File
E:/MCA/SEM%202/WTL/WTL%20LA...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Enter the number of Fibonacci numbers:
15
Generate Fibonacci Sequence
Fibonacci Sequence (JSON): [0,1,1,2,3,5,8,13,21,34,55,89,144,233,377]

Program 3.2	Date: 21/02/2024

Write a program to check leap years.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Leap Year Checker</title>
</head>
<body>
<label for="yearInput">Enter a year:</label>
<input type="number" id="yearInput">
<button onclick="checkLeapYear()">Check Leap Year</button>
<p id="result"></p>
<script>
	function checkLeapYear() {
		// Get the input year from the user
		var year = parseInt(document.getElementById("yearInput").value);
		// Check if the year is a leap year
		var isLeapYear = ((year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0));
		// Prepare the result object in JSON format
		var result = {
			year: year,
			isLeapYear: isLeapYear
		};
		// Display the result in JSON format
		document.getElementById("result").textContent = JSON.stringify(result, null, 2);
	}
</script>

</body>
</html>
```

OUTPUT :

Leap Year Checker
File
E:/MCA/SEM%202/WTL/WT...
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
Enter a year:
2004
Check Leap Year
{ "year": 2004, "isLeapYear": true }

Program 4.1	Date: 22/02/2024

Write a PHP program to check whether a given number is Armstrong or not.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Armstrong Number Checker</title>
</head>
<body>

<form method="post">
	<label for="number">Enter a number:</label>
	<input type="number" id="number" name="number">
	<button type="submit">Check</button>
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
	// Get the input number from the form
	$number = $_POST["number"];

	// Function to check if a number is Armstrong
	function isArmstrong($num) {
		$sum = 0;
		$temp = $num;
		$digits = strlen($num);

		while ($temp != 0) {
			$remainder = $temp % 10;
			$sum += pow($remainder, $digits);
			$temp = intval($temp / 10);
		}
```

```
        return $num == $sum;
    }

    // Check if the input number is Armstrong
    if (isArmstrong($number)) {
        echo "<p>{$number} is an Armstrong number.</p>";
    } else {
        echo "<p>{$number} is not an Armstrong number.</p>";
    }
}
?>

</body>
</html>
```

OUTPUT :

Armstrong Number Checker with
Not secure | phplab/P4_1.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Team L - Knome
Gmail
Enter a number: 153
Check

Armstrong Number Checker with
Not secure | phplab/P4_1.php
Ultimatix - Digitally...
Gmail
phplab says
153 is an Armstrong number.
OK

Program 4.2	Date: 23/02/2024

Write a PHP program to illustrate Cookies.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Cookie Example</title>
</head>
<body>

<?php
// Check if the cookie is set
if (!isset($_COOKIE['visited'])) {
	// If not set, set a cookie to track the number of visits
	$count = 1;
	setcookie('visited', $count, time() + (86400 * 30), "/"); // Cookie expires in 30 days
	echo "<p>Welcome! This is your first visit.</p>";
} else {
	// If set, retrieve the cookie value and increment the count
	$count = $_COOKIE['visited'] + 1;
	setcookie('visited', $count, time() + (86400 * 30), "/"); // Update cookie with incremented count
	echo "<p>Welcome back! You have visited this page $count times.</p>";
}
?>

<p>Refresh the page to see the cookie in action.</p>

</body>
</html>
```

OUTPUT :

Cookie Example
Not secure | phplab/P4_2.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Team L - Knome
Welcome back! You have visited this page 11 times.
Refresh the page to see the cookie in action.

Program 4.3	Date: 24/02/2024

Check whether a year is a leap year or not by inserting a year in PHP.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Leap Year Checker</title>
</head>
<body>

<form method="post">
	<label for="year">Enter a year:</label>
	<input type="number" id="year" name="year" min="1" required>
	<button type="submit">Check</button>
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
	// Get the input year from the form
	$year = $_POST["year"];
	// Function to check if a year is a leap year
	function isLeapYear($year) {
		return (($year % 4 == 0) && ($year % 100 != 0)) || ($year % 400 == 0);
	}
	// Check if the input year is a leap year
	if (isLeapYear($year)) {
		echo "<p>{$year} is a leap year.</p>";
	} else {
		echo "<p>{$year} is not a leap year.</p>";
	}
}
?>
</body>
</html>
```

OUTPUT :

Leap Year Checker
Not secure | phplab/P4_3.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Enter a year: 2004
Check
2004 is a leap year.

Program 4.4	Date: 25/02/2024

Write a program to Implement static properties in PHP.

CODE :

```
<?php

class MyClass {
	public static $staticProperty = "Hello, World!";

	public function __construct() {
		// Constructor
	}

	public static function getStaticProperty() {
		return self::$staticProperty;
	}

	public static function setStaticProperty($value) {
		self::$staticProperty = $value;
	}
}

// Accessing static property without creating an instance of the class
echo MyClass::$staticProperty; // Output: Hello, World!
echo "<br>";

// Changing the value of the static property
MyClass::$staticProperty = "Greetings!";
echo MyClass::getStaticProperty(); // Output: Greetings!
echo "<br>";

// Creating an instance of the class
$obj1 = new MyClass();
echo $obj1::$staticProperty; // Output: Greetings!
echo "<br>";

// Creating another instance of the class
$obj2 = new MyClass();
```

```
echo $obj2::$staticProperty; // Output: Greetings!
echo "<br>";

// Changing the value of the static property using a method
$obj1::setStaticProperty("Goodbye!");
echo $obj1::$staticProperty; // Output: Goodbye!
echo "<br>";
echo $obj2::$staticProperty; // Output: Goodbye!
echo "<br>";

?>
```

OUTPUT :

phplab/P4_4.php
Not secure | phplab/P4_4.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Hello, World!
Greetings!
Greetings!
Greetings!
Goodbye!
Goodbye!

Program 4.5	Date: 27/02/2024

**Write a PHP program to use the global keyword to access a global variable
from within a function.**

CODE :

```
<?php

// Define a global variable
$globalVariable = "I am a global variable.";

// Function to access the global variable using the global keyword
function accessGlobalVariable() {
	// Access the global variable using the global keyword
	global $globalVariable;
	echo $globalVariable;
}

// Call the function to access the global variable
accessGlobalVariable();

?>
```

OUTPUT :

phplab/P4_5.php
Not secure | phplab/P4_5.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
I am a global variable.

Program 4.6	Date: 28/02/2024

Write a PHP program to convert a decimal number into a binary number.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Decimal to Binary Converter</title>
</head>
<body>

<form method="post">
	<label for="decimal">Enter a decimal number:</label>
	<input type="number" id="decimal" name="decimal" min="0" required>
	<button type="submit">Convert</button>
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
	// Get the decimal number from the form
	$decimal = $_POST["decimal"];

	// Function to convert decimal to binary
	function decimalToBinary($decimal) {
		$binary = '';
		while ($decimal > 0) {
			// Append the remainder of division by 2 to the binary string
			$binary = ($decimal % 2) . $binary;
			// Divide the decimal number by 2
			$decimal = intval($decimal / 2);
		}
		return $binary;
	}
```

```
    // Convert the decimal number to binary
    $binary = decimalToBinary($decimal);
    echo "<p>Binary representation of {$decimal} is {$binary}.</p>";
}
?>

</body>
</html>
```

OUTPUT :

Decimal to Binary Converter
Not secure | phplab/P4_6.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Enter a decimal number: 20
Convert
Binary representation of 20 is 10100.

Program 4.7	Date: 29/02/2024

Write a PHP program to store the current date/time in a cookie and display the *'last visited on'* date and time on the web page upon reopening the same page.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Last Visited On</title>
</head>
<body>

<?php
// Check if the 'last_visited' cookie is set
if (isset($_COOKIE['last_visited'])) {
	$lastVisited = $_COOKIE['last_visited'];
	echo "<p>Last visited on: $lastVisited</p>";
}

// Store the current date/time in a cookie named 'last_visited'
$currentDateTime = date("Y-m-d H:i:s");
setcookie('last_visited', $currentDateTime, time() + (86400 * 30), "/"); // Cookie expires in 30 days
?>

</body>
</html>
```

OUTPUT :

Last Visited On
Not secure | phplab/P4_7.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Last visited on: 2024-03-18 17:16:56

Program 4.8	Date: 08/03/2024

Write a PHP program to create an array and store 10 names in the array. Do the following operations.

4.8.1 : Display the contents using each statement.
4.8.2 : Display the array in sorted order.
4.8.3 : Display the array without the duplicate elements.
4.8.4 : Remove the last element and display.
4.8.5 : Display the array in reverse order.
4.8.6 : Search for an element in the given array.

CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Array Operations</title>
</head>
<body>
<?php
// Fixed array values
$names = array("Majo", "Anshad", "Nihal", "Hari", "Majo");
echo "<br><b>Contents of the array using each statement:</b><br><hr>";
	foreach ($names as $name) {
		echo $name . "<br>";
	}
	echo "<br>";
?>
<form method="post">
	<label for="search">Enter name to search:</label><br>
	<input type="text" id="search" name="search" required><br>
	<button type="submit">Submit</button>
</form>
<?php

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

```
    // Get the search element from the form
    $searchName = $_POST["search"];
   // 4.8.6 : Search for an element in the given array
   if (in_array($searchName, $names)) {
        echo "$searchName is found in the array.";
    } else {
        echo "$searchName is not found in the array.";
    }
    // 4.8.2 : Display the array in sorted order
    echo "<br><hr><b>Array in sorted order:</b><br><hr>";
    sort($names);
    foreach ($names as $name) {
        echo $name . "<br>";
    }
    echo "<br>";
    // 4.8.3 : Display the array without duplicate elements
    echo "<hr><b>Array without duplicate elements:</b><br><hr>";
    $uniqueNames = array_unique($names);
    foreach ($uniqueNames as $name) {
        echo $name . "<br>";
    }
    echo "<br>";
    // 4.8.4 : Remove the last element and display
    echo "<hr><b>Array after removing the last element:</b><br><hr>";
    array_pop($names);
    foreach ($names as $name) {
        echo $name . "<br>";
    }
    echo "<br>";
    // 4.8.5 : Display the array in reverse order
    echo "<hr><b>Array in reverse order:</b><br><hr>";
    $reversedNames = array_reverse($names);
    foreach ($reversedNames as $name) {
        echo $name . "<br>";
    }
    echo "<br>";
}
?>

</body>
</html>
```

OUTPUT :

Array Operations
Not secure | phplab/P4_8.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
Contents of the array using each statement:
Majo
Anshad
Nihal
Hari
Majo
Enter name to search:
Submit
Anshad is found in the array.
Array in sorted order:
Anshad
Hari
Majo
Majo
Nihal
Array without duplicate elements:
Anshad
Hari
Majo
Nihal
Array after removing the last element:
Anshad
Hari
Majo
Majo
Array in reverse order:
Majo
Majo
Hari
Anshad

Program 4.9	Date: 09/03/2024

Write the PHP script to send an email.

CODE :

```
<!--Write the PHP script to send an email.
In order to send follow below steps:
1) Go to "Manage Your google account ->Security->Less secure app access"
and    Enable it.
2)Install phpMailer :
C:\wamp64\www\phplab> composer require phpmailer/phpmailer -->

<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-
scale=1.0">
	<title>Email Sender</title>
</head>
<body>

<h2>Email Sender</h2>

<form method="post">
	<label for="email">Your Email Address:</label><br>
	<input type="email" id="email" name="email" required><br>
	<label for="password">Your Email Password:</label><br>
	<input type="password" id="password" name="password"
required><br>
	<label for="to">Recipient's Email Address:</label><br>
	<input type="email" id="to" name="to" required><br>
	<label for="subject">Subject:</label><br>
	<input type="text" id="subject" name="subject" required><br>
	<label for="body">Message Body:</label><br>
	<textarea id="body" name="body" rows="4" required></textarea><br>
	<button type="submit">Send Email</button>
</form>
```

```
<?php

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\Exception;
if ($_SERVER["REQUEST_METHOD"] == "POST") {
	// Get input values from the form
	$email = $_POST["email"];
	$password = $_POST["password"];
	$to = $_POST["to"];
	$subject = $_POST["subject"];
	$body = $_POST["body"];

	// Include PHPMailer autoloader
	require 'vendor/autoload.php';

	// Create a new PHPMailer instance
	$mail = new PHPMailer();
	// SMTP configuration for Gmail
	$mail->isSMTP();
	$mail->Host = 'smtp.gmail.com';
	$mail->SMTPAuth = true;
	$mail->Username = $email; // Sender's email address
	$mail->Password = $password; // Sender's email password
	$mail->SMTPSecure = 'tls'; // Enable TLS encryption
	$mail->Port = 587; // TCP port to connect to
	// Sender and recipient
	$mail->setFrom($email);
	$mail->addAddress($to);

	// Email subject and body
	$mail->Subject = $subject;
	$mail->Body = $body;

	// Send email
	if($mail->send()) {
		echo 'Email sent successfully!';
	} else {
		echo 'Failed to send email. Error: ' . $mail->ErrorInfo;
	}
}
?>
</body>
</html>
```

OUTPUT :

Email Sender
Not secure | phplab/P4_9.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Email Sender
Your Email Address:
mca2336@rajagiri.edu
Your Email Password:
Recipient's Email Address:
anshaddevagiri817@gmail.
Subject:
Invitation
Message Body:
Hello anshad,
This is an invitaion
from ANS.LTD
Send Email
Email sent successfully!
Invitation - anshaddevagiri817
mail.google.com/mail/u/1/?ogbl#inbox/WhctKKZWhgrxkrpfsTcDpJBkF...
Apps
Gmail
YouTube
Free Bootstrap The...
GitHub
Scheduledata
Xplore
Ultimatix - Digitally...
Gmail
Search mail
Compose
Inbox 2,674
Starred
Snoozed
Sent
Drafts 7
More
Labels
1 of 3,206
Invitation
Inbox
mca2336@rajagiri.edu
00:22 (1 minute ago)
to me
Hello anshad,
This is an invitaion from ANS.LTD
Reply
Forward

Program 4.10	Date: 10/03/2024

Write a PHP program to implement MySQL databases with CRUD operations.

CODE :

```
<?php
// Database configuration
$servername = "localhost";
$username = "root";
$password = "";
$database = "mydb";

// Create connection
$conn = new mysqli($servername, $username, $password, $database);

// Check connection
if ($conn->connect_error) {
	die("Connection failed: " . $conn->connect_error);
}

// Create table
$sql_create_table = "CREATE TABLE IF NOT EXISTS users (
	id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
	firstname VARCHAR(30) NOT NULL,
	lastname VARCHAR(30) NOT NULL,
	email VARCHAR(50),
	reg_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON
UPDATE CURRENT_TIMESTAMP
)";

if ($conn->query($sql_create_table) === TRUE) {
	echo "Table 'users' created successfully.<br>";
} else {
	echo "Error creating table: " . $conn->error . "<br>";
}

// Insert data
if (isset($_POST['submit'])) {
```

```
        $firstname = $_POST['firstname'];
        $lastname = $_POST['lastname'];
        $email = $_POST['email'];

        $sql_insert = "INSERT INTO users (firstname, lastname, email) VALUES ('$firstname', '$lastname', '$email')";

        if ($conn->query($sql_insert) === TRUE) {
                echo "New record created successfully.<br>";
        } else {
                echo "Error: " . $sql_insert . "<br>" . $conn->error;
        }
}

// Read data
$sql_read = "SELECT id, firstname, lastname, email FROM users";
$result = $conn->query($sql_read);

if ($result->num_rows > 0) {
        echo "<h2>Users:</h2>";
        echo "<table border='1'>";
        echo "<tr><th>ID</th><th>First Name</th><th>Last Name</th><th>Email</th></tr>";
        while ($row = $result->fetch_assoc()) {
                echo "<tr><td>" . $row["id"] . "</td><td>" . $row["firstname"] . "</td><td>" . $row["lastname"] . "</td><td>" . $row["email"] . "</td></tr>";
        }
        echo "</table>";
} else {
        echo "0 results";
}

// Update data
if (isset($_POST['update'])) {
        $id = $_POST['id'];
        $firstname = $_POST['firstname'];
        $lastname = $_POST['lastname'];
        $email = $_POST['email'];

        $sql_update = "UPDATE users SET firstname='$firstname', lastname='$lastname', email='$email' WHERE id=$id";

        if ($conn->query($sql_update) === TRUE) {
```

```
            echo "Record updated successfully.<br>";
        } else {
            echo "Error updating record: " . $conn->error;
        }
}


// Delete data
if (isset($_POST['delete'])) {
        $id = $_POST['id'];

        $sql_delete = "DELETE FROM users WHERE id=$id";

        if ($conn->query($sql_delete) === TRUE) {
            echo "Record deleted successfully.<br>";
        } else {
            echo "Error deleting record: " . $conn->error;
        }
}

$conn->close();
?>

<!DOCTYPE html>
<html lang="en">

<head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-
scale=1.0">
        <title>CRUD Operations</title>
</head>

<body>
        <h2>Add New User</h2>
        <form method="post" action="">
            First Name: <input type="text" name="firstname"><br>
            Last Name: <input type="text" name="lastname"><br>
            Email: <input type="email" name="email"><br>
            <input type="submit" name="submit" value="Add User">
        </form>

        <h2>Update User</h2>
```

```
    <form method="post" action="">
        ID: <input type="number" name="id"><br>
        First Name: <input type="text" name="firstname"><br>
        Last Name: <input type="text" name="lastname"><br>
        Email: <input type="email" name="email"><br>
        <input type="submit" name="update" value="Update User">
    </form>

    <h2>Delete User</h2>
    <form method="post" action="">
        ID: <input type="number" name="id"><br>
        <input type="submit" name="delete" value="Delete User">
    </form>
</body>

</html>
```

OUTPUT :

CRUD Operations
localhost / MySQL /
Not secure | phplab/P4_10.php
Ultimatix - Digitally...
Xplore
Tata Consultancy Se...
TCS Video Channel
Table 'users' created successfully.
New record created successfully.
Users:
ID | First Name | Last Name | Email
1 | Muhammad | Anshad P A | marshu817@gmail.com
2 | Nihal | Muhammad | niga123@gmail.com
Add New User
First Name: Majo
Last Name: augustine
Email: manoj123@gmail.com
Add User
Update User
ID: 1
First Name: Anshad
Last Name: Muhammad
Email: mca2336@rajagiri.edu
Update User
Delete User
ID: 2
Delete User

Program 5.1	Date: 12/03/2024

Program to illustrate the workings of a simple Laravel web application.

welcome.blade.php :

```
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta name="viewport" content="width=device-width, initial-scale=1.0">
	<title>Welcome to Your Laravel App</title>
	<link href="{{ asset('css/app.css') }}" rel="stylesheet">
</head>
<body>
	<div class="container">
		<div class="row justify-content-center">
			<div class="col-md-8 mt-5">
				<div class="card">
					<div class="card-header">Welcome to Your Laravel App</div>
					<div class="card-body">
						<p>This is a simple Laravel application.</p>
						<p>You can start building your application by editing the routes, controllers, and views.</p>
						<p>Learn more about Laravel <a href="https://laravel.com/docs">documentation</a>.</p>
					</div>
				</div>
			</div>
		</div>
	</div>
</body>
</html>
```

OUTPUT :

Welcome to Your Laravel App
127.0.0.1:8000
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Rajagiri College of S...
Welcome to Your Laravel App
This is a simple Laravel application.
You can start building your application by editing the routes, controllers, and views.
Learn more about Laravel documentation.

Program 5.2	Date: 12/03/2024

Program to demonstrate the implementation of the Bootstrap framework in Laravel.

welcome.blade.php :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW
+ALEwIH" crossorigin="anonymous">
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.j
s" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N
6jIeHz" crossorigin="anonymous"></script>
</head>
<body>
<form>
  <div class="mb-3">
    <label for="exampleInputEmail1" class="form-label">Email
address</label>
    <input type="email" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp">
    <div id="emailHelp" class="form-text">We'll never share your email with
anyone else.</div>
  </div>
  <div class="mb-3">
    <label for="exampleInputPassword1" class="form-
label">Password</label>
    <input type="password" class="form-control"
```

```
id="exampleInputPassword1">
    </div>
    <div class="mb-3 form-check">
        <input type="checkbox" class="form-check-input" id="exampleCheck1">
        <label class="form-check-label" for="exampleCheck1">Check me
out</label>
    </div>
    <button type="submit" class="btn btn-primary">Submit</button>
</form>
</body>
</html>
```

OUTPUT :

Document
127.0.0.1:8000
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Email address
mca2336@rajagiri.edu
We'll never share your email with anyone else.
Password
Check me out
Submit

Program 5.3	Date: 12/03/2024

Program to illustrate the creation of a Laravel web application with all form validations.

web.php :

```
<?php

use Illuminate\Support\Facades\Route;
use App\Http\Controllers\RegistrationController;

Route::get('/', function () {
	return view('registration');
});


Route::get('/register', [RegistrationController::class, 'showRegistrationForm']);
Route::post('/register', [RegistrationController::class, 'processRegistration']);
```

RegistrationController.php :

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\User; // Assuming the User model exists

class RegistrationController extends Controller
{
	public function showRegistrationForm()
	{
		return view('registration');
	}
```

```
    public function processRegistration(Request $request)
    {
        $validatedData = $request->validate([
            'name' => 'required|string|max:255',
            'email' => 'required|email|unique:users,email',
            'password' => 'required|string|min:8|confirmed',
        ]);

        // Create a new user record
        $user = new User();
        $user->name = $request->name;
        $user->email = $request->email;
        $user->password = bcrypt($request->password); // Hash the
password
        $user->save();

        // Redirect the user to a success page or perform any other action
        return redirect()->route('registration.success');
    }
}
```

registration.blade.php

```
<!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>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW
+ALEwIH" crossorigin="anonymous">
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.j
s" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N
6jIeHz" crossorigin="anonymous"></script>

</head>
```

```
<body>
    <h1>Registration Form</h1>
    <form method="POST" action="/register">
        @csrf
        <div class="mb-3">
            <label for="name" class="form-label">Name:</label>
            <input type="text" id="name" name="name"
value="{{ old('name') }}">
            @error('name')
                <div>{{ $message }}</div>
            @enderror
        </div>
        <div class="mb-3">
            <label for="email">Email:</label>
            <input type="email" class="form-label" id="email"
name="email" value="{{ old('email') }}">
            @error('email')
                <div>{{ $message }}</div>
            @enderror
        </div>
        <div class="mb-3">
            <label for="password">Password:</label>
            <input type="password" class="form-label" id="password"
name="password">
            @error('password')
                <div>{{ $message }}</div>
            @enderror
        </div>
        <div class="mb-3">
            <label for="password_confirmation">Confirm
Password:</label>
            <input type="password" class="form-label"
id="password_confirmation" name="password_confirmation">
        </div>
        <button type="submit" class="btn btn-primary">Register</button>
    </form>
</body>
</html>
```

OUTPUT :

Registration Form
127.0.0.1:8000
Gmail
YouTube
Maps
Captive Portal Login...
ROLE
RAJAGIRI Group of I...
Registration Form
Name:
The name field is required.
Email: mca2336@rajagiri.edu
Password:
The password field must be at least 8 characters.
Confirm Password:
Register

Program 5.4	Date: 12/03/2024
Create a Login page using the Laravel framework.	

create_users_table.php :

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
{
/**
* Run the migrations.
*/
public function up(): void
{
Schema::create('users', function (Blueprint $table) {
$table->id();
$table->string('name');
$table->string('email')->unique();
$table->timestamp('email_verified_at')->nullable();
$table->string('password');
$table->rememberToken();
$table->timestamps();
});
}
/**
* Reverse the migrations.
*/
public function down(): void
{
Schema::dropIfExists('users');
}
};
```

SampleController.php :

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Hash;
use Session;
use App\Models\User;
use Illuminate\Support\Facades\Auth;
class SampleController extends Controller
{
function index()
{
return view('login');
}
function registration()
{
return view('registration');
}
function validate_registration(Request $request)
{
$request->validate([
'name' => 'required',
'email' => 'required|email|unique:users',
'password' => 'required|min:6'
]);
$data = $request->all();
User::create([
'name' => $data['name'],
'email' => $data['email'],
'password' => Hash::make($data['password'])
]);
return redirect('login')->with('success', 'Registration Completed, now you can
login');
}
function validate_login(Request $request)
{
$request->validate([
'email' => 'required',
'password' => 'required'
]);
$credentials = $request->only('email', 'password');
```

```
if(Auth::attempt($credentials))
{
return redirect('dashboard');
}
return redirect('login')->with('success', 'Login details are not valid');
}
function dashboard()
{
if(Auth::check())
{
return view('dashboard');
}
return redirect('login')->with('success', 'you are not allowed to access');
}
function logout()
{
Session::flush();
Auth::logout();
return Redirect('login');
}
}
```

main.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Custom Login Registration</title>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-light navbar-expand-lg mb-5" style="background-
color:
#e3f2fd;">
<div class="container">
<a class="navbar-brand mr-auto" href="#">Custom Login Registration</a>
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-
bs
```

```
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
label="Toggle
navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNav">
<ul class="navbar-nav">
@guest
<li class="nav-item">
<a class="nav-link" href="{{ route('login') }}">Login</a>
</li>
<li class="nav-item">
<a class="nav-link" href="{{ route('registration') }}">Register</a>
</li>
@else
<li class="nav-item">
<a class="nav-link" href="{{ route('logout') }}">Logout</a>
</li>
@endguest
</ul>
</div>
</div>
</nav>
<div class="container mt-5">
@yield('content')
</div>
</body>
</html>
```

registration.blade.php :

```
@extends('main')
@section('content')
<div class="row justify-content-center">
<div class="col-md-4">
<div class="card">
<div class="card-header">Registration</div>
<div class="card-body">
<form action="{{ route('sample.validate_registration') }}" method="POST">
@csrf
<div class="form-group mb-3">
<input type="text" name="name" class="form-control" placeholder="Name"
```

```
/>
@if($errors->has('name'))
<span class="text-danger">{{ $errors->first('name') }}</span>
@endif
</div>
<div class="form-group mb-3">
<input type="text" name="email" class="form-control" placeholder="Email
Address" />
@if($errors->has('email'))
<span class="text-danger">{{ $errors->first('email') }}</span>
@endif
</div>
<div class="form-group mb-3">
<input type="password" name="password" class="form-control"
placeholder="Password" />
@if($errors->has('password'))
<span class="text-danger">{{ $errors->first('password') }}</span>
@endif
</div>
<div class="d-grid mx-auto">
<button type="submit" class="btn btn-dark btn-block">Register</button>
</div>
</form>
</div>
</div>
</div>
@endsection('content')
```

login.blade.php

```
@extends('main')
@section('content')
@if($message = Session::get('success'))
<div class="alert alert-info">
{{ $message }}
</div>
@endif
<div class="row justify-content-center">
<div class="col-md-4">
<div class="card">
<div class="card-header">Login</div>
<div class="card-body">
```

```
<form action="{{ route('sample.validate_login') }}" method="post">
@csrf
<div class="form-group mb-3">
<input type="text" name="email" class="form-control" placeholder="Email"
/>
@if($errors->has('email'))
<span class="text-danger">{{ $errors->first('email') }}</span>
@endif
</div>
<div class="form-group mb-3">
<input type="password" name="password" class="form-control"
placeholder="Password" />
@if($errors->has('password'))
<span class="text-danger">{{ $errors->first('password') }}</span>
@endif
</div>
<div class="d-grid mx-auto">
<button type="subit" class="btn btn-dark btn-block">Login</button>
</div>
</form>
</div>
</div>
</div>
</div>
@endsection('content')
```

dashboard.blade.php :

```
@extends('main')
@section('content')
<div class="card">
<div class="card-header">Dashboard</div>
<div class="card-body">
You are logged in to Laravel 10 Custom Login Registration Application.
</div>
</div>
@endsection('content')
```

web.php

```
@extends('main')
@section('content')
<div class="card">
<div class="card-header">Dashboard</div>
<div class="card-body">
You are logged in to Laravel 10 Custom Login Registration Application.
</div>
</div>
@endsection('content')
```

OUTPUT :

Custom Login Registration
Login
Register
Registration
Sweaba
mca2254@rajagiri.edu
Register

Custom Login Registration
Login
Register
Registration Completed, now you can login
Login
mca2254@rajagiri.edu
Login

Custom Login Registration
Logout
Dashboard
You are logged in to Laravel 10 Custom Login Registration Application.

Program 5.5	Date: 14/03/2024

Program to implement session handling using the Laravel framework.

registration.blade.php :

```
<!-- registration.blade.php -->
@extends('master')
@section('content')
<div class="container mt-3">
<div class="row">
<div class="col-xl-6 col-lg-6 col-md-6 col-sm-12 col-12 m-auto">
<form method="post" action=" {{ url('user-store') }} ">
<div class="card shadow mb-4">
<div class="car-header bg-success pt-2">
<div class="card-title font-weight-bold text-white text-center">User
Registration </div>
</div>
<div class="card-body">
@if(Session::has('success'))
<div class="alert alert-success">
{{ Session::get('success') }}
@php
Session::forget('success');
@endphp
</div>
@endif
<div class="form-group">
<label for="first_name"> First Name </label>
<input type="text" name="first_name" id="first_name" class="form
control" placeholder="Enter First Name" value="{{ old('first_name') }}"/>
{!! $errors->first('first_name', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="last_name"> Last Name </label>
<input type="text" name="last_name" id="last_name" class="form-control"
placeholder="Enter Last Name" value="{{ old('last_name') }}"/>
{!! $errors->first('last_name', '<small class="text-danger">:message
```

```
</small>') !!}
</div>
<div class="form-group">
<label for="email"> E-mail </label>
<input type="text" name="email" id="email" class="form-control"
placeholder="Enter E-mail" value="{{ old('email') }}"/>
{!! $errors->first('email', '<small class="text-danger">:message</small>')
!!}
</div>
<div class="form-group">
<label for="password"> Password </label>
<input type="password" name="password" id="password" class="form
control" placeholder="Enter Password" value="{{ old('password') }}"/>
{!! $errors->first('password', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="confirm_password"> Confirm Password </label>
<input type="password" name="confirm_password"
id="confirm_password" class="form-control" placeholder="Confirm
Password" value="{{
old('confirm_password') }}">
{!! $errors->first('confirm_password', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="phone"> Phone </label>
<input type="phone" name="phone" id="phone" class="form-control"
placeholder="Enter Phone" value="{{ old('phone') }}">
{!! $errors->first('phone', '<small class="text-danger">:message</small>')
!!}
</div>
</div>
<div class="card-footer d-inline-block">
<button type="submit" class="btn btn-success"> Register </button>
<p class="float-right mt-2"> Already have an account? <a href="{{ url('user
login')}}" class="text-success"> Login </a> </p>
</div>
@csrf
</div>
</form>
</div>
</div>
```

```
</div>
@endsection
```

login.blade.php :

```
<!-- login.blade.php -->
@extends('master')
@section('content')
<div class="container mt-3">
<div class="row">
<div class="col-xl-6 col-lg-6 col-md-6 col-sm-12 col-12 m-auto">
<form method="post" action="{{ url('login') }}">
<div class="card shadow">
<div class="car-header bg-success pt-2">
<div class="card-title font-weight-bold text-white text-center"> User Login
</div>
</div>
<div class="card-body">
@if(Session::has('success'))
<div class="alert alert-success">
{{ Session::get('success') }}
@php
Session::forget('success');
@endphp
</div>
@endif
<div class="form-group">
<label for="email"> E-mail </label>
<input type="text" name="email" id="email" class="form-control"
placeholder="Enter E-mail" value="{{ old('email') }}"/>
{!! $errors->first('email', '<small class="text-danger">:message</small>')
!!}
</div>
<div class="form-group">
<label for="password"> Password </label>
<input type="password" name="password" id="password" class="form
control" placeholder="Enter Password" value="{{ old('password') }}"/>
{!! $errors->first('password', '<small class="text
danger">:message</small>') !!}
</div>
</div>
<div class="card-footer d-inline-block">
<button type="submit" class="btn btn-success"> Login </button>
```

```
<p class="float-right mt-2"> Don't have an account? <a href="{{ url('user
registration')}}" class="text-success"> Register </a> </p>
</div>
@csrf
</div>
</form>
</div>
</div>
</div>
@endsection
```

dashboard.blade.php :

```
@extends('master')
@section('content')
<nav class="navbar navbar-expand-lg navbar-dark bg-primary">
<a class="navbar-brand" href="#">User Registration and Login</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data
target="#navbarColor01" aria-controls="navbarColor01" aria-
expanded="false" aria
label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarColor01">
<ul class="navbar-nav ml-auto">
<li class="nav-item">
<a class="nav-link text-white"> Welcome: {{ ucfirst(Auth()->user()-
>first_name) }}
</a>
</li>
<li class="nav-item">
<a class="nav-link" href="{{ url('logout') }}"> Logout </a>
</li>
</ul>
</div>
</nav>
@endsection
```

web.php :

```
<?php
use Illuminate\Support\Facades\Route;
Route::get('/', function () {
```

```
return view('welcome');
});
Route::get('user-registration', 'App\Http\Controllers\UserController@index');
Route::post('user-store',
'App\Http\Controllers\UserController@userPostRegistration');
Route::get('user-login',
'App\Http\Controllers\UserController@userLoginIndex');
Route::post('login', 'App\Http\Controllers\UserController@userPostLogin');
Route::get('dashboard', 'App\Http\Controllers\UserController@dashboard');
Route::get('logout', 'App\Http\Controllers\UserController@logout');
});
```

OUTPUT :

User Login
E-mail
mca2254@rajagiri.edu
Password
Login
Don't have an account? Register

User Registration and Login
Welcome: Sweaba
Logout

User Login
Oopps! You do not have access
E-mail
Enter E-mail
Password
Enter Password
Login
Don't have an account? Register

Program 5.6	Date: 16/03/2024

Write a program to execute database CRUD operations in the Laravel framework.

create_products_table.php:

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
{
/**
* Run the migrations.
*/
public function up(): void
{
Schema::create('products', function (Blueprint $table) {
$table->id();
$table->string('name');
$table->text('detail');
$table->timestamps();
});
}
/**
* Reverse the migrations.
*/
public function down(): void
{
Schema::dropIfExists('products');
}
};
```

Product.php :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class Product extends Model
{
```

```
use HasFactory;
protected $fillable=['name','detail'];
}
```

ProductController.php :

```
<?php
namespace App\Http\Controllers;
use App\Models\Product;
use Illuminate\Http\RedirectResponse;
use Illuminate\Http\Request;
use Illuminate\Http\Response;
use Illuminate\View\View;
class ProductController extends Controller
{
/**
* Display a listing of the resource.
*/
public function index(): View
{
$products = Product::latest()->paginate(5);
return view('products.index',compact('products'))
->with('i', (request()->input('page', 1) - 1) * 5);
}
/**
* Show the form for creating a new resource.
*/
public function create(): View
{
return view('products.create');
}
/**
* Store a newly created resource in storage.
*/
public function store(Request $request): RedirectResponse
{
$request->validate([
'name' => 'required',
'detail' => 'required',
]);
Product::create($request->all());
return redirect()->route('products.index')
```

```
->with('success','Product created successfully.');
}
/**
* Display the specified resource.
*/
public function show(Product $product): View
{
return view('products.show',compact('product'));
}
/**
* Show the form for editing the specified resource.
*/
public function edit(Product $product): View
{
return view('products.edit',compact('product'));
}
/**
* Update the specified resource in storage.
*/
public function update(Request $request, Product $product):
RedirectResponse
{
$request->validate([
'name' => 'required',
'detail' => 'required',
]);
$product->update($request->all());
return redirect()->route('products.index')
->with('success','Product updated successfully');
}
/**
* Remove the specified resource from storage.
*/
public function destroy(Product $product): RedirectResponse
{
$product->delete();
return redirect()->route('products.index')
->with('success','Product deleted successfully');
}
}
```

layout.blade.php :

```
<!DOCTYPE html>
<html>
<head>
<title>Laravel 10 CRUD Application</title>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<div class="container">
@yield('content')
</div>
</body>
</html>
```

index.blade.php :

```
@extends('products.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2>Laravel 10 CRUD </h2>
</div>
<div class="pull-right">
<a class="btn btn-success" href="{{ route('products.create') }}"> Create New
Product</a>
</div>
</div>
</div>
@if ($message = Session::get('success'))
<div class="alert alert-success">
<p>{{ $message }}</p>
</div>
@endif
<table class="table table-bordered">
<tr>
<th>No</th>
<th>Name</th>
<th>Details</th>
<th width="280px">Action</th>
```

```
</tr>
@foreach ($products as $product)
<tr>
<td>{{ ++$i }}</td>
<td>{{ $product->name }}</td>
<td>{{ $product->detail }}</td>
<td>
<form action="{{ route('products.destroy',$product->id) }}"
method="POST">
<a class="btn btn-info" href="{{ route('products.show',$product->id)
}}">Show</a>
<a class="btn btn-primary" href="{{ route('products.edit',$product->id)
}}">Edit</a>
@csrf
@method('DELETE')
<button type="submit" class="btn btn-danger">Delete</button>
</form>
</td>
</tr>
@endforeach
</table>
{!! $products->links() !!}
@endsection
```

create.blade.php :

```
@extends('products.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2>Add New Product</h2>
</div>
<div class="pull-right">
<a class="btn btn-primary" href="{{ route('products.index') }}"> Back</a>
</div>
</div>
</div>
@if ($errors->any())
<div class="alert alert-danger">
<strong>Whoops!</strong> There were some problems with your
input.<br><br>
```

```
<ul>
@foreach ($errors->all() as $error)
<li>{{ $error }}</li>
@endforeach
</ul>
</div>
@endif
<form action="{{ route('products.store') }}" method="POST">
@csrf
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Name:</strong>
<input type="text" name="name" class="form-control"
placeholder="Name">
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Detail:</strong>
<textarea class="form-control" style="height:150px" name="detail"
placeholder="Detail"></textarea>
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12 text-center">
<button type="submit" class="btn btn-primary">Submit</button>
</div>
</div>
</form>
@endsection
```

edit.blade.php :

```
@extends('products.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2>Edit Product</h2>
</div>
<div class="pull-right">
<a class="btn btn-primary" href="{{ route('products.index') }}"> Back</a>
```

```
</div>
</div>
</div>
@if ($errors->any())
<div class="alert alert-danger">
<strong>Whoops!</strong> There were some problems with your
input.<br><br>
<ul>
@foreach ($errors->all() as $error)
<li>{{ $error }}</li>
@endforeach
</ul>
</div>
@endif
<form action="{{ route('products.update',$product->id) }}"
method="POST">
@csrf
@method('PUT')
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Name:</strong>
<input type="text" name="name" value="{{ $product->name }}"
class="form
control" placeholder="Name">
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Detail:</strong>
<textarea class="form-control" style="height:150px" name="detail"
placeholder="Detail">{{ $product->detail }}</textarea>
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12 text-center">
<button type="submit" class="btn btn-primary">Submit</button>
</div>
</div>
</form>
@endsection
```

show.blade.php :

```
@extends('products.layout')
@section('content')
<div class="row">
<div class="col-lg-12 margin-tb">
<div class="pull-left">
<h2> Show Product</h2>
</div>
<div class="pull-right">
<a class="btn btn-primary" href="{{ route('products.index') }}"> Back</a>
</div>
</div>
</div>
<div class="row">
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Name:</strong>
{{ $product->name }}
</div>
</div>
<div class="col-xs-12 col-sm-12 col-md-12">
<div class="form-group">
<strong>Details:</strong>
{{ $product->detail }}
</div>
</div>
</div>
@endsection
```

web.php :

```
<?php
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\ProductController;
Route::get('/', function () {
return view('welcome');
});
Route::resource('products', ProductController::class);
```

OUTPUT :

Add New Product

Back

Name:

Jeans

Detail:

Clothing

Submit

Laravel 10 CRUD

Create New Product

Product created successfully.

No	Name	Details	Action
1	Jeans	Clothing	Show Edit Delete
2	Watch	Accessories	Show Edit Delete
3	Smart Phone	Electronics	Show Edit Delete

Show Product

Back

Name: Jeans

Details: Clothing

Edit Product

Back

Name:

T-Shirts&Jeans

Detail:

Clothing

Submit

Program 5.7	Date: 16/03/2024

Create a simple Laravel Web Application, including:

5.7.1. A registration form with all form validations.

5.7.2. Perform CRUD operations using migrations.

register.blade.php :

```
@extends('layouts.app')
@section('content')
<main class="sm:container sm:mx-auto sm:max-w-lg sm:mt-10">
<div class="flex">
<div class="w-full">
<section class="flex flex-col break-words bg-white sm:border-1 sm:rounded-
md
sm:shadow-sm sm:shadow-lg">
<header class="font-semibold bg-gray-200 text-gray-700 py-5 px-6 sm:py-6
sm:px-8 sm:rounded-t-md">
{{ __('Register') }}
</header>
<form class="w-full px-6 space-y-6 sm:px-10 sm:space-y-8"
method="POST"
action="{{ route('register') }}">
@csrf
<div class="flex flex-wrap">
<label for="name" class="block text-gray-700 text-sm font-bold mb-2
sm:mb-
4">
{{ __('Name') }}:
</label>
<input id="name" type="text" class="form-input w-full
@error('name') border-red-500 @enderror"
name="name" value="{{ old('name') }}" required autocomplete="name"
autofocus>
@error('name')
<p class="text-red-500 text-xs italic mt-4">
{{ $message }}
</p>
@enderror
</div>
```

```
<div class="flex flex-wrap">
<label for="email" class="block text-gray-700 text-sm font-bold mb-2
sm:mb-
4">
{{ __('E-Mail Address') }}:
</label>
<input id="email" type="email"
class="form-input w-full @error('email') border-red-500 @enderror"
name="email"
value="{{ old('email') }}" required autocomplete="email">
@error('email')
<p class="text-red-500 text-xs italic mt-4">
{{ $message }}
</p>
@enderror
</div>
<div class="flex flex-wrap">
<label for="password" class="block text-gray-700 text-sm font-bold mb-2
sm:mb-4">
{{ __('Password') }}:
</label>
<input id="password" type="password"
class="form-input w-full @error('password') border-red-500 @enderror"
name="password"
required autocomplete="new-password">
@error('password')
<p class="text-red-500 text-xs italic mt-4">
{{ $message }}
</p>
@enderror
</div>
<div class="flex flex-wrap">
<label for="password-confirm" class="block text-gray-700 text-sm font-bold
mb-2 sm:mb-4">
{{ __('Confirm Password') }}:
</label>
<input id="password-confirm" type="password" class="form-input w-full"
name="password_confirmation" required autocomplete="new-password">
</div>
<div class="flex flex-wrap">
<button type="submit"
class="w-full select-none font-bold whitespace-no-wrap p-3 rounded-lg
text-base leading-normal no-underline text-gray-100 bg-blue-500 hover:bg-
```

```
blue-700 sm:py-
4">
{{ __('Register') }}
</button>
<p class="w-full text-xs text-center text-gray-700 my-6 sm:text-sm sm:my-
8">
{{ __('Already have an account?') }}
<a class="text-blue-500 hover:text-blue-700 no-underline hover:underline"
href="{{ route('login') }}">
{{ __('Login') }}
</a>
</p>
</div>
</form>
</section>
</div>
</div>
</main>
@endsection
```

login.blade.php :

```
@extends('layouts.app')
@section('content')
<main class="sm:container sm:mx-auto sm:max-w-lg sm:mt-10">
<div class="flex">
<div class="w-full">
<section class="flex flex-col break-words bg-white sm:border-1 sm:rounded-
md
sm:shadow-sm sm:shadow-lg">
<header class="font-semibold bg-gray-200 text-gray-700 py-5 px-6 sm:py-6
sm:px-8 sm:rounded-t-md">
{{ __('Login') }}
</header>
<form class="w-full px-6 space-y-6 sm:px-10 sm:space-y-8"
method="POST"
action="{{ route('login') }}">
@csrf
<div class="flex flex-wrap">
<label for="email" class="block text-gray-700 text-sm font-bold mb-2
sm:mb-
4">
```

```
{{ __('E-Mail Address') }}:
</label>
<input id="email" type="email"
class="form-input w-full @error('email') border-red-500 @enderror"
name="email"
value="{{ old('email') }}" required autocomplete="email" autofocus>
@error('email')
<p class="text-red-500 text-xs italic mt-4">
{{ $message }}
</p>
@enderror
</div>
<div class="flex flex-wrap">
<label for="password" class="block text-gray-700 text-sm font-bold mb-2
sm:mb-4">
{{ __('Password') }}:
</label>
<input id="password" type="password"
class="form-input w-full @error('password') border-red-500 @enderror"
name="password"
required>
@error('password')
<p class="text-red-500 text-xs italic mt-4">
{{ $message }}
</p>
@enderror
</div>
<div class="flex items-center">
<label class="inline-flex items-center text-sm text-gray-700"
for="remember">
<input type="checkbox" name="remember" id="remember" class="form
checkbox"
{{ old('remember') ? 'checked' : '' }}>
<span class="ml-2">{{ __('Remember Me') }}</span>
</label>
@if (Route::has('password.request'))
<a class="text-sm text-blue-500 hover:text-blue-700 whitespace-no-wrap no
underline hover:underline ml-auto"
href="{{ route('password.request') }}">
{{ __('Forgot Your Password?') }}
</a>
@endif
</div>
```

```
<div class="flex flex-wrap">
<button type="submit"
class="w-full select-none font-bold whitespace-no-wrap p-3 rounded-lg text
base leading-normal no-underline text-gray-100 bg-blue-500 hover:bg-blue-
700 sm:py-4">
{{ __('Login') }}
</button>
@if (Route::has('register'))
<p class="w-full text-xs text-center text-gray-700 my-6 sm:text-sm sm:my-
8">
{{ __("Don't have an account?") }}
<a class="text-blue-500 hover:text-blue-700 no-underline hover:underline"
href="{{ route('register') }}">
{{ __('Register') }}
</a>
</p>
@endif
</div>
</form>
</section>
</div>
</div>
</main>
@endsection
```

create_posts_table.php :

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
class Posts extends Migration
{
/**
* Run the migrations.
*
* @return void
*/
public function up()
{
Schema::create('posts', function (Blueprint $table){
$table->increments('id');
```

```
$table->string('slug');
$table->string('title');
$table->longText('description');
$table->string('image_path');
$table->timestamps();
$table->unsignedBigInteger('user_id');
$table->foreign('user_id')->references('id')->on('users');
});
}
public function down()
{
}
}
```

Post.php :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
use Cviebrock\EloquentSluggable\Sluggable;
class Post extends Model
{
use HasFactory;
use Sluggable;
protected $fillable = ['title', 'slug', 'description', 'image_path', 'user_id'];
public function user()
{
return $this->belongsTo(User::class);
}
public function sluggable(): array
{
return [
'slug' => [
'source' => 'title'
]
];
}
}
```

PostsController.php :

```
<?php
namespace App\Http\Controllers;
Department of Computer Science, Rajagiri College of Social Sciences
(Autonomous) Page | 124use Illuminate\Http\Request;
use App\Models\Post;
use Cviebrock\EloquentSluggable\Services\SlugService;
class PostsController extends Controller
{
public function __construct()
{
$this->middleware('auth', ['except' => ['index', 'show']]);
}
/**
* Display a listing of the resource.
*
* @return \Illuminate\Http\Response
*/
public function index()
{
return view('blog.index')
->with('posts', Post::orderBy('updated_at', 'DESC')->get());
}
/**
* Show the form for creating a new resource.
*
* @return \Illuminate\Http\Response
*/
public function create()
{
return view('blog.create');
}
/**
* Store a newly created resource in storage.
*
* @param \Illuminate\Http\Request $request
* @return \Illuminate\Http\Response
*/
public function store(Request $request)
{
$request->validate([
'title' => 'required',
'description' => 'required',
'image' => 'required|mimes:jpg,png,jpeg|max:5048'
```

```
]);
$newImageName = uniqid() . '-' . $request->title . '.' . $request->image-
>extension();
$request->image->move(public_path('images'), $newImageName);
Post::create([
'title' => $request->input('title'),
'description' => $request->input('description'),
'slug' => SlugService::createSlug(Post::class, 'slug', $request->title),
'image_path' => $newImageName,
'user_id' => auth()->user()->id
]);
return redirect('/blog')
->with('message', 'Your post has been added!');
}
/**
* Display the specified resource.
*
* @param string $slug
* @return \Illuminate\Http\Response
*/
public function show($slug)
{
return view('blog.show')
->with('post', Post::where('slug', $slug)->first());
}
/**
* Show the form for editing the specified resource.
*
* @param string $slug
* @return \Illuminate\Http\Response
*/
public function edit($slug)
{
return view('blog.edit')
->with('post', Post::where('slug', $slug)->first());
}
/**
* Update the specified resource in storage.
*
* @param \Illuminate\Http\Request $request
* @param string $slug
* @return \Illuminate\Http\Response
*/
```

```
public function update(Request $request, $slug)
{
$request->validate([
'title' => 'required',
'description' => 'required',
]);
Post::where('slug', $slug)
->update([
'title' => $request->input('title'),
'description' => $request->input('description'),
'slug' => SlugService::createSlug(Post::class, 'slug', $request->title),
'user_id' => auth()->user()->id
]);
return redirect('/blog')
->with('message', 'Your post has been updated!');
}
/**
* Remove the specified resource from storage.
*
* @param int $id
* @return \Illuminate\Http\Response
*/
public function destroy($slug)
{
$post = Post::where('slug', $slug);
$post->delete();
return redirect('/blog')
->with('message', 'Your post has been deleted!');
}
}
```

create.blade.php:

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-left">
<div class="py-15">
<h1 class="text-6xl">
Create Post
</h1>
</div>
</div>
```

```
@if ($errors->any())
<div class="w-4/5 m-auto">
<ul>
@foreach ($errors->all() as $error)
<li class="w-1/5 mb-4 text-gray-50 bg-red-700 rounded-2xl py-4">
{{ $error }}
</li>
@endforeach
</ul>
</div>
@endif
<div class="w-4/5 m-auto pt-20">
<form
action="/blog"
method="POST"
enctype="multipart/form-data">
@csrf
<input
type="text"
name="title"
placeholder="Title..."
class="bg-transparent block border-b-2 w-full h-20 text-6xl outline-none">
<textarea
name="description"
placeholder="Description..."
class="py-20 bg-transparent block border-b-2 w-full h-60 text-xl outline
none"></textarea>
<div class="bg-grey-lighter pt-15">
<label class="w-44 flex flex-col items-center px-2 py-3 bg-white-rounded-lg
shadow
lg tracking-wide uppercase border border-blue cursor-pointer">
<span class="mt-2 text-base leading-normal">
Select a file
</span>
<input
type="file"
name="image"
class="hidden">
</label>
</div>
<button
type="submit"
class="uppercase mt-15 bg-blue-500 text-gray-100 text-lg font-extrabold py-
```

```
4 px-8
rounded-3xl">
Submit Post
</button>
</form>
</div>
@endsection
```

index.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-center">
<div class="py-15 border-b border-gray-200">
<h1 class="text-6xl">
Blog Posts
</h1>
</div>
</div>
@if (session()->has('message'))
<div class="w-4/5 m-auto mt-10 pl-2">
<p class="w-2/6 mb-4 text-gray-50 bg-green-500 rounded-2xl py-4">
{{ session()->get('message') }}
</p>
</div>
@endif
@if (Auth::check())
<div class="pt-15 w-4/5 m-auto">
<a
href="/blog/create"
class="bg-yellow-500 uppercase bg-transparent text-gray-100 text-xs font-
extrabold
py-3 px-5 rounded-3xl">
Add post
</a>
</div>
@endif
@foreach ($posts as $post)
<div class="sm:grid grid-cols-2 gap-20 w-4/5 mx-auto py-15 border-b
border-gray-200">
<div>
<img src="{{ asset('images/' . $post->image_path) }}" alt="">
```

```
</div>
<div>
<h2 class="text-gray-700 font-bold text-5xl pb-4">
{{ $post->title }}
</h2>
<span class="text-gray-500">
By <span class="font-bold italic text-gray-800">{{ $post->user-
>name }}</span>,
Created on {{ date('jS M Y', strtotime($post->updated_at)) }}
</span>
<p class="text-xl text-gray-700 pt-8 pb-10 leading-8 font-light">
{{ $post->description }}
</p>
<a href="/blog/{{ $post->slug }}" class="uppercase bg-blue-500 text-gray-
100 text-lg
font-extrabold py-4 px-8 rounded-3xl">
View Full Post
</a>
@if (isset(Auth::user()->id) && Auth::user()->id == $post->user_id)
<span class="float-right">
<br>
<a
href="/blog/{{ $post->slug }}/edit"
class=" uppercase bg-green-500 text-gray-100 text-lg font-extrabold py-3 px-
8
rounded-3xl" style="margin-left: 10px;">
Edit
</a>
</span>
<span class="float-right">
<form
action="/blog/{{ $post->slug }}"
method="POST">
@csrf
@method('delete')
<button
class="uppercase bg-red-500 text-gray-100 font-extrabold py-4 px-8
rounded-3xl"
type="submit">
Delete
</button>
</form>
</span>
```

```
@endif
</div>
</div>
@endforeach
@endsection
```

edit.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-left">
<div class="py-15">
<h1 class="text-6xl">
Update Post
</h1>
</div>
</div>
@if ($errors->any())
<div class="w-4/5 m-auto">
<ul>
@foreach ($errors->all() as $error)
<li class="w-1/5 mb-4 text-gray-50 bg-red-700 rounded-2xl py-4">
{{ $error }}
</li>
@endforeach
</ul>
</div>
@endif
<div class="w-4/5 m-auto pt-20">
<form
action="/blog/{{ $post->slug }}"
method="POST"
enctype="multipart/form-data">
@csrf
@method('PUT')
<input
type="text"
name="title"
value="{{ $post->title }}"
class="bg-transparent block border-b-2 w-full h-20 text-6xl outline-none">
<textarea
name="description"
```

```
placeholder="Description..."
class="py-20 bg-transparent block border-b-2 w-full h-60 text-xl outline-
none">{{
$post->description }}</textarea>
<button
type="submit"
class="uppercase mt-15 bg-blue-500 text-gray-100 text-lg font-extrabold py-
4 px-8
rounded-3xl">
Submit Post
</button>
</form>
</div>
@endsection
```

show.blade.php :

```
@extends('layouts.app')
131@section('content')
<div class="w-4/5 m-auto text-left">
<div class="py-15">
<h1 class="text-6xl">
{{ $post->title }}
</h1>
</div>
</div>
<div class="w-4/5 m-auto pt-20">
<span class="text-gray-500">
By <span class="font-bold italic text-gray-800">{{ $post->user-
>name }}</span>,
Created on {{ date('jS M Y', strtotime($post->updated_at)) }}
</span>
<p class="text-xl text-gray-700 pt-8 pb-10 leading-8 font-light">
{{ $post->description }}
</p>
</div>
@endsection
```

OUTPUT:

Create Post
Demo
demo post
SELECT A FILE
SUBMIT POST
Blog Posts
Your post has been added!
ADD POST
Demo
By Sweaba, Created on 8th Apr 2023
demo post
VIEW FULL POST
DELETE
EDIT
Laravel
Home Blog Sweaba Logout
Update Post
Demo Post
demo blog post
SUBMIT POST

Blog Posts
Your post has been updated!
ADD POST
Demo Post
By Sweaba, Created on 8th Apr 2023
demo blog post
VIEW FULL POST
DELETE
EDIT

Laravel
Home
Blog
Sweaba
Logout
Blog Posts
Your post has been deleted!
ADD POST

Program 5.8	Date: 16/03/2024

Create a Web Application for Blog Creation with a Login and Registration form and perform the following operations on blogs using the Laravel framework.

5.8.1. CREATE Blogs.
5.8.2. VIEW Blogs in a Table.
5.8.3. EDIT and UPDATE Blogs.
5.8.4. DELETE Blogs.

create_posts_table.php :

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
class Posts extends Migration
{
/**
* Run the migrations.
*
* @return void
*/
public function up()
{
Schema::create('posts', function (Blueprint $table){
$table->increments('id');
$table->string('slug');
$table->string('title');
$table->longText('description');
$table->string('image_path');
$table->timestamps();
$table->unsignedBigInteger('user_id');
$table->foreign('user_id')->references('id')->on('users');
});
}
/**
* Reverse the migrations.
```

```
*/
public function down()
{
}
}
```

Posts.php :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
use Cviebrock\EloquentSluggable\Sluggable;
class Post extends Model
{
use HasFactory;
use Sluggable;
protected $fillable = ['title', 'slug', 'description', 'image_path', 'user_id'];
public function user()
{
return $this->belongsTo(User::class);
}
public function sluggable(): array
{
return [
'slug' => [
'source' => 'title'
]
];
}
}
```

PostsController.php :

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Post;
use Cviebrock\EloquentSluggable\Services\SlugService;
class PostsController extends Controller
{
```

```
public function __construct()
{
$this->middleware('auth', ['except' => ['index', 'show']]);
}
/**
* Display a listing of the resource.
*
* @return \Illuminate\Http\Response
*/
public function index()
{
return view('blog.index')
->with('posts', Post::orderBy('updated_at', 'DESC')->get());
}
/**
* Show the form for creating a new resource.
*
* @return \Illuminate\Http\Response
*/
public function create()
{
return view('blog.create');
}
/**
* Store a newly created resource in storage.
*
* @param \Illuminate\Http\Request $request
* @return \Illuminate\Http\Response
*/
public function store(Request $request)
{
$request->validate([
'title' => 'required',
'description' => 'required',
'image' => 'required|mimes:jpg,png,jpeg|max:5048'
]);
$newImageName = uniqid() . '-' . $request->title . '.' . $request->image-
>extension();
$request->image->move(public_path('images'), $newImageName);
Post::create([
'title' => $request->input('title'),
'description' => $request->input('description'),
'slug' => SlugService::createSlug(Post::class, 'slug', $request->title),
```

```
'image_path' => $newImageName,
'user_id' => auth()->user()->id
]);
return redirect('/blog')
->with('message', 'Your post has been added!');
}
/**
* Display the specified resource.
*
* @param string $slug
* @return \Illuminate\Http\Response
*/
public function show($slug)
{
return view('blog.show')
->with('post', Post::where('slug', $slug)->first());
}
/**
* Show the form for editing the specified resource.
*
* @param string $slug
* @return \Illuminate\Http\Response
*/
public function edit($slug)
{
return view('blog.edit')
->with('post', Post::where('slug', $slug)->first());
}
/**
* Update the specified resource in storage.
*
* @param \Illuminate\Http\Request $request
* @param string $slug
* @return \Illuminate\Http\Response
*/
public function update(Request $request, $slug)
{
$request->validate([
'title' => 'required',
'description' => 'required',
]);
Post::where('slug', $slug)
->update([
```

```
'title' => $request->input('title'),
'description' => $request->input('description'),
'slug' => SlugService::createSlug(Post::class, 'slug', $request->title),
'user_id' => auth()->user()->id
]);
return redirect('/blog')
->with('message', 'Your post has been updated!');
}
/**
* Remove the specified resource from storage.
*
* @param int $id
* @return \Illuminate\Http\Response
*/
public function destroy($slug)
{
$post = Post::where('slug', $slug);
$post->delete();
return redirect('/blog')
->with('message', 'Your post has been deleted!');
}
}
```

create.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-left">
<div class="py-15">
<h1 class="text-6xl">
Create Post
</h1>
</div>
</div>
@if ($errors->any())
<div class="w-4/5 m-auto">
<ul>
@foreach ($errors->all() as $error)
<li class="w-1/5 mb-4 text-gray-50 bg-red-700 rounded-2xl py-4">
{{ $error }}
</li>
@endforeach
```

```
</ul>
</div>
@endif
<div class="w-4/5 m-auto pt-20">
<form
action="/blog"
method="POST"
enctype="multipart/form-data">
@csrf
<input
type="text"
name="title"
placeholder="Title..."
class="bg-transparent block border-b-2 w-full h-20 text-6xl outline-none">
<textarea
name="description"
placeholder="Description..."
class="py-20 bg-transparent block border-b-2 w-full h-60 text-xl outline
none"></textarea>
<div class="bg-grey-lighter pt-15">
<label class="w-44 flex flex-col items-center px-2 py-3 bg-white-rounded-lg
shadow
lg tracking-wide uppercase border border-blue cursor-pointer">
<span class="mt-2 text-base leading-normal">
Select a file
</span>
<input
type="file"
name="image"
class="hidden">
</label>
</div>
<button
type="submit"
class="uppercase mt-15 bg-blue-500 text-gray-100 text-lg font-extrabold py-
4 px-8
rounded-3xl">
Submit Post
</button>
</form>
</div>
@endsection
```

index.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-center">
<div class="py-15 border-b border-gray-200">
<h1 class="text-6xl">
Blog Posts
</h1>
</div>
</div>
@if (session()->has('message'))
<div class="w-4/5 m-auto mt-10 pl-2">
<p class="w-2/6 mb-4 text-gray-50 bg-green-500 rounded-2xl py-4">
{{ session()->get('message') }}
</p>
</div>
@endif
@if (Auth::check())
<div class="pt-15 w-4/5 m-auto">
<a
href="/blog/create"
class="bg-blue-500 uppercase bg-transparent text-gray-100 text-xs font-
extrabold py-
3 px-5 rounded-3xl">
Create post
</a>
</div>
@endif
@foreach ($posts as $post)
<div class="sm:grid grid-cols-2 gap-20 w-4/5 mx-auto py-15 border-b
border-gray-200">
<div>
<img src="{{ asset('images/' . $post->image_path) }}" alt="">
</div>
<div>
<h2 class="text-gray-700 font-bold text-5xl pb-4">
{{ $post->title }}
</h2>
<span class="text-gray-500">
By <span class="font-bold italic text-gray-800">{{ $post->user-
>name }}</span>,
```

```
Created on {{ date('jS M Y', strtotime($post->updated_at)) }}
</span>
<p class="text-xl text-gray-700 pt-8 pb-10 leading-8 font-light">
{{ $post->description }}
</p>
<a href="/blog/{{ $post->slug }}" class="uppercase bg-blue-500 text-gray-
100 text-lg
font-extrabold py-4 px-8 rounded-3xl">
Keep Reading
</a>
@if (isset(Auth::user()->id) && Auth::user()->id == $post->user_id)
<span class="float-right">
<a
href="/blog/{{ $post->slug }}/edit"
class="text-gray-700 italic hover:text-gray-900 pb-1 border-b-2">
Edit
</a>
</span>
<span class="float-right">
<form
action="/blog/{{ $post->slug }}"
method="POST">
@csrf
@method('delete')
<button
class="text-red-500 pr-3"
type="submit">
Delete
</button>
</form>
</span>
@endif
</div>
</div>
@endforeach
@endsection
```

edit.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-left">
```

```
<div class="py-15">
<h1 class="text-6xl">
Update Post
</h1>
</div>
</div>
@if ($errors->any())
<div class="w-4/5 m-auto">
<ul>
@foreach ($errors->all() as $error)
<li class="w-1/5 mb-4 text-gray-50 bg-red-700 rounded-2xl py-4">
{{ $error }}
</li>
@endforeach
</ul>
</div>
@endif
<div class="w-4/5 m-auto pt-20">
<form
action="/blog/{{ $post->slug }}"
method="POST"
enctype="multipart/form-data">
@csrf
@method('PUT')
<input
type="text"
name="title"
value="{{ $post->title }}"
class="bg-transparent block border-b-2 w-full h-20 text-6xl outline-none">
<textarea
name="description"
placeholder="Description..."
class="py-20 bg-transparent block border-b-2 w-full h-60 text-xl outline-
none">{{
$post->description }}</textarea>
<button
type="submit"
class="uppercase mt-15 bg-blue-500 text-gray-100 text-lg font-extrabold py-
4 px-8
rounded-3xl">
Submit Post
</button>
</form>
```

```
</div>
@endsection
```

show.blade.php :

```
@extends('layouts.app')
@section('content')
<div class="w-4/5 m-auto text-left">
<div class="py-15">
<h1 class="text-6xl">
{{ $post->title }}
</h1>
</div>
</div>
<div class="w-4/5 m-auto pt-20">
<span class="text-gray-500">
By <span class="font-bold italic text-gray-800">{{ $post->user-
>name }}</span>,
Created on {{ date('jS M Y', strtotime($post->updated_at)) }}
</span>
<p class="text-xl text-gray-700 pt-8 pb-10 leading-8 font-light">
{{ $post->description }}
</p>
</div>
@endsection
```

OUTPUT :

Laravel
Home Blog Login Register
Register
Name:
Sweaba
E-Mail Address:
mca2254@rajagiri.edu
Password:
Confirm Password:
Register
Already have an account? Login

Laravel
Home Blog Login Register
Register
Name:
Sweaba
E-Mail Address:
mca2254@rajagiri.edu
Password:
Confirm Password:
Register
Already have an account? Login

Laravel Home Blog Sweaba Logout

Create Post

First

MyFirstBlogPost

SELECT A FILE

SUBMIT POST

Blog Posts

Your post has been added!

CREATE POST

First

By *Sweaba*, Created on 8th Apr 2023

MyFirstBlogPost

KEEP READING

Delete *Edit*

Laravel Home Blog Sweaba Logout

Update Post

First

My First Blog Post

SUBMIT POST

Program 5.9	Date: 17/03/2024

Create a simple LARAVEL web application displaying the CAE2 Marks of MSc
CS students, including:

5.9.1. Student Login and Teacher login
5.9.2. Teachers can Add, View, Update, and Delete Students and Marks.
5.9.3. Students can VIEW their marks.

Web.php :

```
Route::get('/', function () {
return view('welcome');
});
Route::get('/dashboard', function () {
return view('dashboard');
})->middleware(['auth', 'verified'])->name('dashboard');
Route::middleware('auth')->group(function () {
Route::get('/profile', [ProfileController::class, 'edit'])->name('profile.edit');
Route::patch('/profile', [ProfileController::class, 'update'])-
>name('profile.update');
Route::delete('/profile', [ProfileController::class, 'destroy'])-
>name('profile.destroy');
});
Route::get('admin-home',[StudentController::class,'index'])->name('admin-
home');
Route::get('create-student',function(){
return view('admin.create-student');
})->name('create-student');
Route::post('add-students',[StudentController::class,'store'])->name('add-
students');
Route::get('view-student/{id}',[StudentController::class,'show']);
Route::get('view-edit-student/{id}',[StudentController::class,'edit']);
Route::post('update',[StudentController::class,'update'])->name('update');
Route::get('delete-student/{id}',[StudentController::class,'destroy']);
Route::get('marks',[MarksController::class,'index'])->name('marks');
Route::get('view-marks/{id}',[MarksController::class,'show']);
Route::post('add-marks',[MarksController::class,'store'])->name('add-marks');
Route::get('delete-marks/{id}',[MarksController::class,'destroy']);
Route::get('view-edit-marks/{id}',[MarksController::class,'edit']);
```

```
Route::post('update-marks',[MarksController::class,'update']);
```

MarksController.php :

```
<?php
namespace App\Http\Controllers;
use App\Models\student;
use App\Models\marks;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\DB;
class MarksController extends Controller
{
/**
* Display a listing of the resource.
*/
public function index()
{
$studentdata=student::get();
$data=DB::table('students')
->join('marks','students.student_id','=','marks.student_id')
->select('students.*','marks.*')
->get();
// dd($data);
return view('admin.admin-marks',compact('studentdata','data'));
}
public function store(Request $request)
{
// dd($request->all());
$request->validate([
'student_id' => 'required',
'dv' => 'required',
'bda' => 'required',
'dip' => 'required',
'bmaar' => 'required',
'wtl' => 'required',
'python' => 'required',
]);
$mark = new marks();
$mark->student_id = $request->student_id;
$mark->dv = $request->dv;
$mark->bda = $request->bda;
$mark->dip = $request->dip;
```

```
$mark->bmaar = $request->bmaar;
$mark->wtl = $request->wtl;
$mark->python = $request->python;
if ($mark->save()) {
return redirect()
->back()
->with('success', 'Data has been added successfully!');
} else {
return redirect()
->back()
->withInput()
->with('error', 'There was a failure while adding ');
}
}
/**
* Display the specified resource.
*/
public function show(string $id)
{
$studentdata=student::get();
$data=DB::table('students')
->join('marks','students.student_id','=','marks.student_id')
->select('students.*','marks.*')
->where('marks.marks_id','=',$id)
->first();
// dd($data);
return view('admin.admin-view-marks',compact('data'));
}
/**
* Show the form for editing the specified resource.
*/
public function edit(string $id)
{
$data=marks::where('marks_id','=',$id)->first();
return view('admin.admin-edit-marks',compact('data'));
}
/**
* Update the specified resource in storage.
*/
public function update(Request $request)
{
dd($request->all());
$request->validate([
```

```
'student_id' => 'required',
'dv' => 'required',
'bda' => 'required',
'dip' => 'required',
'bmaar' => 'required',
'wtl' => 'required',
'python' => 'required',
]);
if (marks::where('marks_id', '=', $request->marsk_id)->Update([
'dv' => $request->dv,
'bda' => $request->bda,
'dip' => $request->dip,
'bmaar' => $request->bmaar,
'wtl' => $request->wtl,
'python' => $request->python,
])) {
return redirect()
->back()
->with('success', 'Data has been added successfully!');
} else {
return redirect()
->back()
->withInput()
->with('error', 'There was a failure while adding ');
}
}
/**
* Remove the specified resource from storage.
*/
public function destroy(string $id)
{
DB::delete('delete from marks where marks_id=?',[$id]);
return back();
}
}
```

StudentController.php :

```
<?php
namespace App\Http\Controllers;
use App\Models\student;
use App\Models\marks;
```

```
use Illuminate\Support\Facades\DB;
use Illuminate\Http\Request;
class StudentController extends Controller
{
/**
* Display a listing of the resource.
*/
public function index()
{
$data = student::get();
return view('admin.admin-home', compact('data'));
}
/**
* Show the form for creating a new resource.
*/
public function create()
{
//
}
/**
* Store a newly created resource in storage.
*/
public function store(Request $request)
{
// dd($request->all());
$request->validate([
'name' => 'required',
'email' => 'required',
'regno' => 'required',
]);
$stu = new student();
$stu->name = $request->name;
$stu->email = $request->email;
$stu->regno = $request->regno;
$data=DB::table('students')
->join('marks','students.student_id','=','marks.student_id')
->select('students.*','marks.*')
->get();
if ($stu->save()) {
return redirect()
->back()
->with('success', 'Data has been added successfully!');
} else {
```

```
return redirect()
->back()
->withInput()
->with('error', 'There was a failure while adding ');
}
}
/**
* Display the specified resource.
*/
public function show(string $id)
{
// $data=DB::table('students')
// ->join('marks','students.student_id','=','marks.student_id')
// ->select('students.*','marks.*')
// ->where('students.student_id','=',$id)
// ->first();
$data = student::where('student_id', '=', $id)->first();
// dd($data);
return view('admin.admin-view-student', compact('data'));
}
/**
* Show the form for editing the specified resource.
*/
public function edit(string $id)
{
$data = student::where('student_id', '=', $id)->first();
// dd($data);
return view('admin.admin-edit-student', compact('data'));
}
/**
* Update the specified resource in storage.
*/
public function update(Request $request)
{
//
$request->validate([
'name' => 'required',
'email' => 'required',
'regno' => 'required',
]);
if (student::where('student_id', '=', $request->student_id)->Update([
'name' => $request->name,
'email' => $request->email,
```

```
'regno' => $request->regno,
])) {
return redirect()
->back()
->with('success', 'Data has been added successfully!');
} else {
return redirect()
->back()
->withInput()
->with('error', 'There was a failure while adding ');
}
}
/**
* Remove the specified resource from storage.
*/
public function destroy(string $id)
{
DB::delete('delete from students where student_id=?',[$id]);
return back();
}
}
```

Mark.php(model) :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class marks extends Model
{
use HasFactory;
protected $fillable = [
'student_id',
'dv',
'bda',
'dip',
'bmaar',
'wtl',
'python',
];
}
```

Student.php(model) :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class student extends Model
{
use HasFactory;
protected $fillable = [
'name',
'email',
'password',
'regno',
];
}
```

Admin-home.blade.php:

```
@include('admin.admin-header')
<div class="main-panel">
<div class="content-wrapper">
<div class="row">
<div class="col-xl-3 col-sm-6 grid-margin stretch-card">
<div class="card">
<div class="card-body">
<div class="row">
<div class="col-9">
<div class="d-flex align-items-center align-self-start">
<h3 class="mb-0">{{ $data->count() }}</h3>
</div>
</div>
<div class="col-3">
<div class="icon ">
</div>
</div>
</div>
<h6 class="text-muted font-weight-normal">Students</h6>
</div>
</div>
</div>
```

```
</div>
<div class="row ">
<div class="col-12 grid-margin">
<div class="card">
<div class="card-body">
<h4 class="card-title">Students</h4>
<a href="{{ route('create-student') }}" style="padding-left: 90%">Add</a>
<div class="table-responsive">
<table class="table">
<thead>
<tr>
<th># </th>
<th>Name</th>
<th>Register No</th>
{{-- <th></th> --}}
<th>View</th>
<th>Edit</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
@if ($data->count()>0)
<?php
$i=1;
?>
@foreach ($data as $value)
<tr>
<td>{{ $i }}</td>
<td> {{ $value->name }} </td>
<td> {{ $value->regno }} </td>
<td><div class="badge badge-outline-success"><a href="{{ url('view
student/'.$value->student_id) }}">View</a></div></td>
<td><div class="badge badge-outline-success"><a href="{{ url('view
edit-student/'.$value->student_id) }}">Edit</a></div></td>
<td>
<div class="badge badge-outline-warning"><a href="{{ url('delete
student/'.$value->student_id) }}">Delete</a></div>
</td>
</tr>
<?php
$i++;
?>
@endforeach
```

```
@else
<tr>
<td colspan="6"><center>No Data Found</center></td>
</tr>
@endif
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
@include('admin.admin-footer')
```

Create-student.blade.php :

```
@include('admin.admin-header')
<div class="main-panel">
<div class="content-wrapper">
@if ($errors->any())
<div class="col-sm-12">
<div class="alert alert-warning alert-dismissible fade show" role="alert">
@foreach ($errors->all() as $error)
<span>
<p>{{ $error }}</p>
</span>
@endforeach
<button type="button" class="close" data-dismiss="alert" aria
label="Close">
<span aria-hidden="true">×</span>
</button>
</div>
</div>
@endif
@if (session('success'))
<div class="col-sm-12">
<div class="alert alert-success alert-dismissible fade show" role="alert">
{{ session('success') }}
<button type="button" class="close" data-dismiss="alert" aria
label="Close">
<span aria-hidden="true">×</span>
```

```
</button>
</div>
</div>
@endif
@if (session('error'))
<div class="col-sm-12">
<div class="alert alert-danger alert-dismissible fade show" role="alert">
{{ session('error') }}
<button type="button" class="close" data-dismiss="alert" aria
label="Close">
<span aria-hidden="true">×</span>
</button>
</div>
</div>
@endif
<div class="col-12 grid-margin stretch-card">
<div class="card">
<div class="card-body">
<h4 class="card-title">Add Studnets</h4>
<form class="forms-sample" method="POST" action="{{ route('add
students') }}">
@csrf
<div class="form-group">
<label for="exampleInputName1">Name</label>
<input type="text" class="form-control" id="exampleInputName1"
name="name"
placeholder="Name">
</div>
<div class="form-group">
<label for="exampleInputName1">Email</label>
<input type="email" class="form-control"
id="exampleInputName1" name="email"
placeholder="Email">
</div>
<div class="form-group">
<label for="exampleInputName1">Register No</label>
<input type="number" class="form-control"
id="exampleInputName1" name="regno"
placeholder="Register No">
</div>
<button type="submit" class="btn btn-primary mr-
2">Submit</button>
<button class="btn btn-dark">Cancel</button>
```

```
</form>
</div>
</div>
</div>
@include('admin.admin-footer')
```

OUTPUT :

Navigation
Dashboard
Marks
Log Out

1
Students

Students

Add

#	Name	Register No	View	Edit	Delete
1	AJAYKRISHNAN G	2217002	View	Edit	Delete

Navigation
Dashboard
Marks
Log Out

Add Studnets

Name

Name

Email

Email

Register No

Register No

Submit Cancel

Navigation
Dashboard
Marks
Log Out

Marks

Student

Select Student

Data Visualization

Select Mark

Big Data Analytics

Select Mark

Digital Image Processing

Select Mark

Business Modelling & Applied Analytics Using R

Select Mark

Marks

#	Name	View	Edit	Delete
1	AJAYKRISHNAN G	View	Edit	Delete

Program 5.10	Date: 19/03/2024

Create a simple Laravel web application for students, including:

5.10.1. Student Registration Form
5.10.2. Form Validations.
5.10.3. Login for students with session handling.
5.10.4. Minimum of two web pages with a standard layout

create_users_table.php :

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
{
/**
* Run the migrations.
*/
public function up(): void
{
Schema::create('users', function (Blueprint $table) {
$table->bigIncrements('id');
$table->string('first_name');
$table->string('last_name');
$table->string('name');
$table->string('email')->unique();
$table->timestamp('email_verified_at')->nullable();
$table->string('password');
$table->bigInteger('phone');
$table->rememberToken();
$table->timestamps();
});
}
/**
* Reverse the migrations.
*/
public function down(): void
{
Schema::dropIfExists('users');
```

```
}
};
```

User.php :

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Notifications\Notifiable;
use Laravel\Sanctum\HasApiTokens;
class User extends Authenticatable
{
use HasApiTokens, HasFactory, Notifiable;
/**
* The attributes that are mass assignable.
*
* @var array<int, string>
*/
protected $fillable = [
'first_name', 'last_name', 'email', 'password', 'phone'
];
/**
* The attributes that should be hidden for serialization.
*
* @var array<int, string>
*/
protected $hidden = [
'password',
'remember_token',
];
/**
* The attributes that should be cast.
*
* @var array<string, string>
*/
protected $casts = [
'email_verified_at' => 'datetime',
];
}
```

UserController.php :

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Validator;
use Illuminate\Support\Facades\Redirect;
use App\Models\User;
use Illuminate\Support\Facades\Hash;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Session;
class UserController extends Controller {
// -------------------- [ user registration view ] -------------
public function index() {
return view('registration');
}
// --------------------- [ Register user ] ----------------------
public function userPostRegistration(Request $request) {
// validate form fields
$request->validate([
'first_name' => 'required',
'last_name' => 'required',
'email' => 'required|email',
'password' => 'required|min:6',
'confirm_password' => 'required|same:password',
'phone' => 'required|max:10'
]);
$input = $request->all();
// if validation success then create an input array
$inputArray = array(
'first_name' => $request->first_name,
'last_name' => $request->last_name,
'full_name' => $request->first_name . " ". $request->last_name,
'email' => $request->email,
'password' => Hash::make($request->password),
'phone' => $request->phone
);
// register user
$user = User::create($inputArray);
// if registration success then return with success message
if(!is_null($user)) {
return back()->with('success', 'You have registered successfully.');
}
```

```
// else return with error message
else {
return back()->with('error', 'Whoops! some error encountered. Please try
again.');
}
}
// -------------------- [ User login view ] -----------------------
public function userLoginIndex() {
return view('login');
}
// --------------------- [ User login ] ---------------------
public function userPostLogin(Request $request) {
$request->validate([
"email" => "required|email",
"password" => "required|min:6"
]);
$userCredentials = $request->only('email', 'password');
// check user using auth function
if (Auth::attempt($userCredentials)) {
return redirect()->intended('dashboard');
}
else {
return back()->with('error', 'Whoops! invalid username or password.');
}
}
// ------------------ [ User Dashboard Section ] ---------------------
public function dashboard() {
// check if user logged in
if(Auth::check()) {
return view('dashboard');
}
return redirect::to("user-login")->withSuccess('Oopps! You do not have
access');
}
// ------------------- [ User logout function ] ----------------------
public function logout(Request $request ) {
$request->session()->flush();
Auth::logout();
return Redirect('user-login');
}
}
```

master.blade.php :

```
<!-- master.blade.php -->
<!doctype html>
<html lang="en">
<head>
<title> Student Registration and Login with Session </title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2
MZw1T"
crossorigin="anonymous">
</head>
<body>
@yield('content')
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></
script>
</body>
</html>
```

registration.blade.php :

```
<!-- registration.blade.php -->
@extends('master')
@section('content')
<div class="container mt-3">
<div class="row">
<div class="col-xl-6 col-lg-6 col-md-6 col-sm-12 col-12 m-auto">
<form method="post" action=" {{ url('user-store') }} ">
<div class="card shadow mb-4">
<div class="car-header bg-success pt-2">
<div class="card-title font-weight-bold text-white text-center"> Student
Registration
```

```
</div>
</div>
<div class="card-body">
@if(Session::has('success'))
<div class="alert alert-success">
{{ Session::get('success') }}
@php
Session::forget('success');
@endphp
</div>
@endif
<div class="form-group">
<label for="first_name"> First Name </label>
<input type="text" name="first_name" id="first_name" class="form
control" placeholder="Enter First Name" value="{{ old('first_name') }}"/>
{!! $errors->first('first_name', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="last_name"> Last Name </label>
<input type="text" name="last_name" id="last_name" class="form-control"
placeholder="Enter Last Name" value="{{ old('last_name') }}"/>
{!! $errors->first('last_name', '<small class="text-danger">:message
</small>') !!}
</div>
<div class="form-group">
<label for="email"> E-mail </label>
<input type="text" name="email" id="email" class="form-control"
placeholder="Enter E-mail" value="{{ old('email') }}"/>
{!! $errors->first('email', '<small class="text-danger">:message</small>')
!!}
</div>
<div class="form-group">
<label for="password"> Password </label>
<input type="password" name="password" id="password" class="form
control" placeholder="Enter Password" value="{{ old('password') }}"/>
{!! $errors->first('password', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="confirm_password"> Confirm Password </label>
<input type="password" name="confirm_password"
id="confirm_password" class="form-control" placeholder="Confirm
```

```
Password" value="{{
old('confirm_password') }}">
{!! $errors->first('confirm_password', '<small class="text
danger">:message</small>') !!}
</div>
<div class="form-group">
<label for="phone"> Phone </label>
<input type="phone" name="phone" id="phone" class="form-control"
placeholder="Enter Phone" value="{{ old('phone') }}">
{!! $errors->first('phone', '<small class="text-danger">:message</small>')
!!}
</div>
</div>
<div class="card-footer d-inline-block">
<button type="submit" class="btn btn-success"> Register </button>
<p class="float-right mt-2"> Already have an account? <a href="{{ url('user
login')}}" class="text-success"> Login </a> </p>
</div>
@csrf
</div>
</form>
</div>
</div>
</div>
@endsection
```

Login.blade.php :

```
<!-- login.blade.php -->
@extends('master')
@section('content')
<div class="container mt-3">
<div class="row">
<div class="col-xl-6 col-lg-6 col-md-6 col-sm-12 col-12 m-auto">
<form method="post" action="{{ url('login') }}">
<div class="card shadow">
<div class="car-header bg-success pt-2">
<div class="card-title font-weight-bold text-white text-center"> Student
Login
</div>
</div>
<div class="card-body">
@if(Session::has('success'))
```

```
<div class="alert alert-success">
{{ Session::get('success') }}
@php
Session::forget('success');
@endphp
</div>
@endif
<div class="form-group">
<label for="email"> E-mail </label>
<input type="text" name="email" id="email" class="form-control"
placeholder="Enter E-mail" value="{{ old('email') }}"/>
{!! $errors->first('email', '<small class="text-danger">:message</small>')
!!}
</div>
<div class="form-group">
<label for="password"> Password </label>
<input type="password" name="password" id="password" class="form
control" placeholder="Enter Password" value="{{ old('password') }}"/>
{!! $errors->first('password', '<small class="text
danger">:message</small>') !!}
</div>
</div>
<div class="card-footer d-inline-block">
<button type="submit" class="btn btn-success"> Login </button>
<p class="float-right mt-2"> Don't have an account? <a href="{{ url('user
registration')}}" class="text-success"> Register </a> </p>
</div>
@csrf
</div>
</form>
</div>
</div>
</div>
@endsection
```

dashboard.blade.php :

```
@extends('master')
@section('content')
<nav class="navbar navbar-expand-lg navbar-dark bg-success">
<a class="navbar-brand" href="#">Student Dashboard</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data
target="#navbarColor01" aria-controls="navbarColor01" aria-
```

```
expanded="false" aria
label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarColor01">
<ul class="navbar-nav ml-auto">
<li class="nav-item">
<a class="nav-link text-white"> Welcome: {{ ucfirst(Auth()->user()-
>first_name) }}
</a>
</li>
<li class="nav-item">
<a class="nav-link" href="{{ url('logout') }}"> Logout </a>
</li>
</ul>
</div>
</nav>
@endsection
```

web.php :

```
<?php
use Illuminate\Support\Facades\Route;
Route::get('/', function () {
return view('welcome');
});
Route::get('user-registration', 'App\Http\Controllers\UserController@index');
Route::post('user-store',
'App\Http\Controllers\UserController@userPostRegistration');
Route::get('user-login',
'App\Http\Controllers\UserController@userLoginIndex');
Route::post('login', 'App\Http\Controllers\UserController@userPostLogin');
Route::get('dashboard', 'App\Http\Controllers\UserController@dashboard');
Route::get('logout', 'App\Http\Controllers\UserController@logout');
})
```

OUTPUT :

Student Registration
First Name
Enter First Name
The first name field is required.
Last Name
Enter Last Name
The last name field is required.
E-mail
Enter E-mail
The email field is required.
Password
Enter Password
The password field is required.
Confirm Password
Confirm Password
The confirm password field is required.
Phone
Enter Phone
The phone field is required.

Student Login
E-mail
mca2254@rajagiri.edu
Password
Login
Don't have an account? Register

Student Login
Oopps! You do not have access
E-mail
Enter E-mail
Password
Enter Password
Login
Don't have an account? Register

Student Dashboard
Welcome: Sweaba
Logout

Student Login
Oopps! You do not have access
E-mail
Enter E-mail
Password
Enter Password
Login
Don't have an account? Register

PORTFOLIO	Date: 21/03/2024

CODE :

Index.html:

```
<!DOCTYPE html>
<html lang="en">

<head>
   <meta charset="utf-8">
   <meta content="width=device-width, initial-scale=1.0" name="viewport">

   <title>iPortfolio Bootstrap Template - Index</title>
   <meta content="" name="description">
   <meta content="" name="keywords">

   <!-- Favicons -->
   <link href="assets/img/favicon.png" rel="icon">
   <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

   <!-- Google Fonts -->
   <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,6
00,600i,700,700i|Raleway:300,300i,400,400i,500,500i,600,600i,700,700i|Poppi
ns:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

   <!-- Vendor CSS Files -->
   <link href="assets/vendor/aos/aos.css" rel="stylesheet">
   <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
   <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
   <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
   <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
   <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

   <!-- Template Main CSS File -->
   <link href="assets/css/style.css" rel="stylesheet">

</head>
```

```
<body>

  <!-- ======= Mobile nav toggle button ======= -->
  <i class="bi bi-list mobile-nav-toggle d-xl-none"></i>

  <!-- ======= Header ======= -->
  <header id="header">
    <div class="d-flex flex-column">

      <div class="profile">
        <img src="assets/img/img1.jpg" alt="" class="img-fluid rounded-
circle">
        <h1 class="text-light"><a href="index.html">Muhammad Anshad P
A</a></h1>
        <div class="social-links mt-3 text-center">
          <a href="https://twitter.com/anshad_ansha1" class="twitter"><i
class="bx bxl-twitter"></i></a>
          <a href="https://www.facebook.com/Anshadansha817"
class="facebook"><i class="bx bxl-facebook"></i></a>
          <a href="https://www.instagram.com/anshad_ansha1/"
class="instagram"><i class="bx bxl-instagram"></i></a>
          <a href="https://www.linkedin.com/in/muhammad-anshad-p-a-
b7a9b9214/" class="linkedin"><i class="bx bxl-linkedin"></i></a>
        </div>
      </div>

      <nav id="navbar" class="nav-menu navbar">
        <ul>
          <li><a href="#hero" class="nav-link scrollto active"><i class="bx
bx-home"></i> <span>Home</span></a></li>
          <li><a href="#about" class="nav-link scrollto"><i class="bx bx-
user"></i> <span>About</span></a></li>
          <li><a href="#resume" class="nav-link scrollto"><i class="bx bx-
file-blank"></i> <span>Resume</span></a></li>
          <li><a href="#contact" class="nav-link scrollto"><i class="bx bx-
envelope"></i> <span>Contact</span></a></li>
        </ul>
      </nav><!-- .nav-menu -->
    </div>
  </header><!-- End Header -->

  <!-- ======= Hero Section ======= -->
  <section id="hero" class="d-flex flex-column justify-content-center align-
```

```
items-center">
        <div class="hero-container" data-aos="fade-in">
            <h1>Muhammad Anshad P A</h1>
            <p>I'm <span class="typed" data-typed-items="Developer,System
Engineer, Freelancer "></span></p>
        </div>
    </section><!-- End Hero -->

    <main id="main">

        <!-- ======= About Section ======= -->
        <section id="about" class="about">
            <div class="container">

                <div class="section-title">
                    <h2>About</h2>
                    <p>I am a passionate web developer and a System Engineer with a
strong foundation in front-end and back-end technologies. My journey in
System Engineer started from TCS, and it has evolved into a full-fledged
career.</p>
                </div>

                <div class="row">
                    <div class="col-lg-4" data-aos="fade-right">
                        <img src="assets/img/img1.jpg" class="img-fluid" alt="">
                    </div>
                    <div class="col-lg-8 pt-4 pt-lg-0 content" data-aos="fade-left">
                        <h3> Web Developer &amp; System Engineer .</h3>
                        <p class="fst-italic">
                            As a system engineer checking the reliability and stability of
the systems, provide timely and accurate technical support, and perform routine
maintenance and updates.
                        </p>
                        <div class="row">
                            <div class="col-lg-6">
                                <ul>
                                    <li><i class="bi bi-chevron-right"></i>
<strong>Birthday:</strong> <span>11 April 2000</span></li>
                                    <li><i class="bi bi-chevron-right"></i>
<strong>Website:</strong> <span>www.linkedin.com/in/muhammad-anshad-
p-a-b7a9b9214</span></li>
                                    <li><i class="bi bi-chevron-right"></i>
<strong>Phone:</strong> <span>+91 8157847663</span></li>
```

```
                        <li><i class="bi bi-chevron-right"></i>
<strong>City:</strong> <span>Wayanad,Kerala</span></li>
                    </ul>
                </div>
                <div class="col-lg-6">
                    <ul>
                        <li><i class="bi bi-chevron-right"></i>
<strong>Age:</strong> <span>23</span></li>
                        <li><i class="bi bi-chevron-right"></i>
<strong>Degree:</strong> <span>MCA</span></li>
                        <li><i class="bi bi-chevron-right"></i>
<strong>Email:</strong> <span>marshu817@gmail.com</span></li>
                        <li><i class="bi bi-chevron-right"></i>
<strong>Freelance:</strong> <span>Available</span></li>
                    </ul>
                </div>

            </div>

        </div>
    </section><!-- End About Section -->



    <!-- ======= Skills Section ======= -->
    <section id="skills" class="skills section-bg">
        <div class="container">

            <div class="section-title">
                <h2>Skills</h2>
                <p>My journey in web development began with HTML and CSS,
where I mastered the art of creating visually appealing and responsive web
pages. As I delved deeper into front-end development, I expanded my skill set
to include JavaScript, allowing me to build interactive and dynamic user
experiences.</p>
            </div>

            <div class="row skills-content">

                <div class="col-lg-6" data-aos="fade-up">

                    <div class="progress">
                        <span class="skill">HTML <i class="val">100%</i></span>
```

```
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="100" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>

                <div class="progress">
                    <span class="skill">CSS <i class="val">90%</i></span>
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="90" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>

                <div class="progress">
                    <span class="skill">JavaScript <i
class="val">75%</i></span>
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="75" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>

            </div>

            <div class="col-lg-6" data-aos="fade-up" data-aos-delay="100">

                <div class="progress">
                    <span class="skill">PHP <i class="val">80%</i></span>
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="80" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>

                <div class="progress">
                    <span class="skill">Microsoft Access database management
<i class="val">70%</i></span>
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="90" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>
```

```
                <div class="progress">
                    <span class="skill">Java <i class="val">80%</i></span>
                    <div class="progress-bar-wrap">
                        <div class="progress-bar" role="progressbar" aria-
valuenow="55" aria-valuemin="0" aria-valuemax="100"></div>
                    </div>
                </div>

            </div>

            </div>

        </div>
    </section><!-- End Skills Section -->

    <!-- ======= Resume Section ======= -->
    <section id="resume" class="resume">
        <div class="container">

            <div class="section-title">
                <h2>Resume</h2>
                <p>I am a passionate web developer and a System Engineer with a
strong foundation in front-end and back-end technologies. My journey in
System Engineer started from TCS, and it has evolved into a full-fledged
career.</p>
            </div>

            <div class="row">
                <div class="col-lg-6" data-aos="fade-up">
                    <h3 class="resume-title">Sumary</h3>
                    <div class="resume-item pb-0">
                        <h4>Muhammad Anshad P A</h4>
                        <p><em>Web Developer and System Engineer with 1+ years
of experience System Engineering and Support services.</em></p>
                        <ul>
                            <li>Muhammad Anshad,Kerala, INDIA</li>
                            <li>(91) 8157847663</li>
                            <li>marshu817@gmail.com</li>
                        </ul>
                    </div>

                    <h3 class="resume-title">Education</h3>
```

```
                <div class="resume-item">
                    <h4>Bachelor of Computer Application    </h4>
                    <h5>2018 - 2021</h5>
                    <p><em>St. Josephs College Devagiri (Autonomous),
Calicut, Kerala</em></p>
                    <p>This program at St. Joseph's College Devagiri provided a
holistic learning experience combining theoretical knowledge with practical
skills, thereby preparing graduates for successful careers in the dynamic and
competitive IT industry.</p>
                </div>
                <div class="resume-item">
                    <h4>Master of Computer Application</h4>
                    <h5>2023 - Present</h5>
                    <p><em>Rajagiri College of Social Science, kalamassery,
Kerala</em></p>
                    <p>
                        MCA at Rajagiri College helps me to attain many skills and
learn about : Advanced Programming,Database Management,Software
Engineering,Artificial Intelligence and Machine Learning,Soft Skills
Development and so on.</p>
                </div>
            </div>
            <div class="col-lg-6" data-aos="fade-up" data-aos-delay="100">
                <h3 class="resume-title">Professional Experience</h3>
                <div class="resume-item">
                    <h4>Python Full Stack Developer</h4>
                    <h5>2021 - 2022</h5>
                    <p><em>Quest Innovative solutions ,Calicut, Kerala
</em></p>
                    <ul>
                        <li>Gained proficiency in frontend technologies such as
HTML, CSS, and JavaScript, enabling you to create interactive user interfaces
and responsive web designs.</li>
                        <li>Backend development using Python, including
frameworks such as Django and Flask, to build robust and scalable web
applications. </li>
                        <li>Acquired skills in database management using SQL
database MySQL for storing and retrieving application data efficiently.</li>
                        <li>learned how to deploy and host web applications on
platform AWS, ensuring accessibility and reliability for end-users.</li>
                    </ul>
                </div>
                <div class="resume-item">
```

```
                    <h4>Assistant System Engineer</h4>
                    <h5>2022 - 2023</h5>
                    <p><em>Tata Consultancy Services, Kochi,
Kerala</em></p>
                    <ul>
                        <li>System Maintenance and Support : Maintenance of
servers, network devices, and storage systems, to ensure uninterrupted
operations and minimal downtime.</li>
                        <li>Troubleshooting and Issue Resolution : Resolve
technical issues related to system performance, configuration, security, and
compatibility.</li>
                        <li>System Monitoring and Optimization.</li>
                        <li>Backup and Disaster Recovery.</li>
                        <li>System Documentation and Documentation
Management.</li>
                        <li>Compliance and Security.</li>
                    </ul>
                </div>
            </div>
        </div>

    </div>
</section><!-- End Resume Section -->


<!-- ======= Contact Section ======= -->
<section id="contact" class="contact">
    <div class="container">

        <div class="section-title">
            <h2>Contact</h2>
        </div>

        <div class="row" data-aos="fade-in">

            <div class="col-lg-5 d-flex align-items-stretch">
                <div class="info">
                    <div class="address">
                        <i class="bi bi-geo-alt"></i>
                        <h4>Location:</h4>
                        <p>Muhammad Anshad P A,Wayand,Kerala,INDIA
670645</p>
                    </div>
```

```
                    <div class="email">
                        <i class="bi bi-envelope"></i>
                        <h4>Email:</h4>
                        <p>marshu817@gmail.com</p>
                    </div>

                    <div class="phone">
                        <i class="bi bi-phone"></i>
                        <h4>Call:</h4>
                        <p>+91 8157847663</p>
                    </div>

                    <iframe
src="https://www.google.com/maps/embed?pb=!1m14!1m12!1m3!1d125097.3
0809964454!2d76.1551865999998!3d11.530979400000003!2m3!1f0!2f0!3f0
!3m2!1i1024!2i768!4f13.1!5e0!3m2!1sen!2sin!4v1711306461367!5m2!1sen!2
sin" frameborder="0" style="border:0; width: 100%; height: 290px;"
allowfullscreen></iframe>
                </div>

            </div>

            <div class="col-lg-7 mt-5 mt-lg-0 d-flex align-items-stretch">
                <form action="forms/contact.php" method="post" role="form"
class="php-email-form">
                    <div class="row">
                        <div class="form-group col-md-6">
                            <label for="name">Your Name</label>
                            <input type="text" name="name" class="form-control"
id="name" required>
                        </div>
                        <div class="form-group col-md-6">
                            <label for="name">Your Email</label>
                            <input type="email" class="form-control" name="email"
id="email" required>
                        </div>
                    </div>
                    <div class="form-group">
                        <label for="name">Subject</label>
                        <input type="text" class="form-control" name="subject"
id="subject" required>
                    </div>
```

```
                    <div class="form-group">
                        <label for="name">Message</label>
                        <textarea class="form-control" name="message"
rows="10" required></textarea>
                    </div>
                    <div class="my-3">
                        <div class="loading">Loading</div>
                        <div class="error-message"></div>
                        <div class="sent-message">Your message has been sent.
Thank you!</div>
                    </div>
                    <div class="text-center"><button type="submit">Send
Message</button></div>
                </form>
            </div>

        </div>

    </div>
  </section><!-- End Contact Section -->

</main><!-- End #main -->


<a href="#" class="back-to-top d-flex align-items-center justify-content-
center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
<script src="assets/vendor/aos/aos.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/typed.js/typed.umd.js"></script>
<script src="assets/vendor/waypoints/noframework.waypoints.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>

</body>
```

```
</html>
```

inner-page.html:

```
<!DOCTYPE html>
<html lang="en">

<head>
   <meta charset="utf-8">
   <meta content="width=device-width, initial-scale=1.0" name="viewport">

   <title>Inner Page </title>
   <meta content="" name="description">
   <meta content="" name="keywords">

   <!-- Favicons -->
   <link href="assets/img/favicon.png" rel="icon">
   <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

   <!-- Google Fonts -->
   <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Raleway:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

   <!-- Vendor CSS Files -->
   <link href="assets/vendor/aos/aos.css" rel="stylesheet">
   <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
   <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
   <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
   <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
```

```
    <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

    <!-- Template Main CSS File -->
    <link href="assets/css/style.css" rel="stylesheet">

</head>

<body>

    <!-- ======= Mobile nav toggle button ======= -->
    <i class="bi bi-list mobile-nav-toggle d-xl-none"></i>

    <!-- ======= Header ======= -->
    <header id="header">
      <div class="d-flex flex-column">

        <div class="profile">
          <img src="assets/img/img2.jpg" alt="" class="img-fluid rounded-
circle">
          <h1 class="text-light"><a href="index.html">Muhammad Anshad P
A</a></h1>
          <div class="social-links mt-3 text-center">
            <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
            <a href="#" class="facebook"><i class="bx bxl-
facebook"></i></a>
            <a href="#" class="instagram"><i class="bx bxl-
instagram"></i></a>
            <a href="#" class="google-plus"><i class="bx bxl-
skype"></i></a>
            <a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
          </div>
        </div>

        <nav id="navbar" class="nav-menu navbar">
          <ul>
            <li><a href="#hero" class="nav-link scrollto active"><i class="bx
bx-home"></i> <span>Home</span></a></li>
            <li><a href="#about" class="nav-link scrollto"><i class="bx bx-
user"></i> <span>About</span></a></li>
            <li><a href="#resume" class="nav-link scrollto"><i class="bx bx-
file-blank"></i> <span>Resume</span></a></li>
            <li><a href="#portfolio" class="nav-link scrollto"><i class="bx
bx-book-content"></i> <span>Portfolio</span></a></li>
```

```
                <li><a href="#services" class="nav-link scrollto"><i class="bx bx-server"></i> <span>Services</span></a></li>
                <li><a href="#contact" class="nav-link scrollto"><i class="bx bx-envelope"></i> <span>Contact</span></a></li>
            </ul>
        </nav><!-- .nav-menu -->
    </div>
  </header><!-- End Header -->

  <main id="main">

    <!-- ======= Breadcrumbs ======= -->
    <section class="breadcrumbs">
      <div class="container">

        <div class="d-flex justify-content-between align-items-center">
          <h2>Inner Page</h2>
          <ol>
            <li><a href="index.html">Home</a></li>
            <li>Inner Page</li>
          </ol>
        </div>

      </div>
    </section><!-- End Breadcrumbs -->

    <section class="inner-page">
      <div class="container">
        <p>
          Example inner page template
        </p>
      </div>
    </section>

  </main><!-- End #main -->



  <a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-arrow-up-short"></i></a>

  <!-- Vendor JS Files -->
  <script src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
```

```
    <script src="assets/vendor/aos/aos.js"></script>
    <script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
    <script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
    <script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
    <script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
    <script src="assets/vendor/typed.js/typed.umd.js"></script>
    <script src="assets/vendor/waypoints/noframework.waypoints.js"></script>
    <script src="assets/vendor/php-email-form/validate.js"></script>

    <!-- Template Main JS File -->
    <script src="assets/js/main.js"></script>

</body>

</html>
```

portfolio-details.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <title>Portfolio Details </title>
    <meta content="" name="description">
    <meta content="" name="keywords">
    <!-- Favicons -->
    <link href="assets/img/favicon.png" rel="icon">
    <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
    <!-- Google Fonts -->
    <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,6
00,600i,700,700i|Raleway:300,300i,400,400i,500,500i,600,600i,700,700i|Poppi
ns:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">

    <!-- Vendor CSS Files -->
    <link href="assets/vendor/aos/aos.css" rel="stylesheet">
    <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
    <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
    <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
```

```
    <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

    <!-- Template Main CSS File -->
    <link href="assets/css/style.css" rel="stylesheet">

</head>
<body>
    <!-- ======= Mobile nav toggle button ======= -->
    <i class="bi bi-list mobile-nav-toggle d-xl-none"></i>

    <!-- ======= Header ======= -->
    <header id="header">
      <div class="d-flex flex-column">

        <div class="profile">
          <img src="assets/img/profile-img.jpg" alt="" class="img-fluid
rounded-circle">
          <h1 class="text-light"><a href="index.html">Alex Smith</a></h1>
          <div class="social-links mt-3 text-center">
            <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
            <a href="#" class="facebook"><i class="bx bxl-
facebook"></i></a>
            <a href="#" class="instagram"><i class="bx bxl-
instagram"></i></a>
            <a href="#" class="google-plus"><i class="bx bxl-
skype"></i></a>
            <a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
          </div>
        </div>

        <nav id="navbar" class="nav-menu navbar">
          <ul>
            <li><a href="#hero" class="nav-link scrollto active"><i class="bx
bx-home"></i> <span>Home</span></a></li>
            <li><a href="#about" class="nav-link scrollto"><i class="bx bx-
user"></i> <span>About</span></a></li>
            <li><a href="#resume" class="nav-link scrollto"><i class="bx bx-
file-blank"></i> <span>Resume</span></a></li>
            <li><a href="#portfolio" class="nav-link scrollto"><i class="bx
bx-book-content"></i> <span>Portfolio</span></a></li>
            <li><a href="#services" class="nav-link scrollto"><i class="bx bx-
server"></i> <span>Services</span></a></li>
            <li><a href="#contact" class="nav-link scrollto"><i class="bx bx-
```

```
envelope"></i> <span>Contact</span></a></li>
            </ul>
        </nav><!-- .nav-menu -->
    </div>
  </header><!-- End Header -->

  <main id="main">

    <!-- ======= Breadcrumbs ======= -->
    <section id="breadcrumbs" class="breadcrumbs">
      <div class="container">

        <div class="d-flex justify-content-between align-items-center">
          <h2>Portfoio Details</h2>
          <ol>
            <li><a href="index.html">Home</a></li>
            <li>Portfoio Details</li>
          </ol>
        </div>

      </div>
    </section><!-- End Breadcrumbs -->

    <!-- ======= Portfolio Details Section ======= -->
    <section id="portfolio-details" class="portfolio-details">
      <div class="container">

        <div class="row gy-4">

          <div class="col-lg-8">
            <div class="portfolio-details-slider swiper">
              <div class="swiper-wrapper align-items-center">

                <div class="swiper-slide">
                  <img src="assets/img/portfolio/portfolio-details-1.jpg"
alt="">
                </div>

                <div class="swiper-slide">
                  <img src="assets/img/portfolio/portfolio-details-2.jpg"
alt="">
                </div>
```

```
                    <div class="swiper-slide">
                        <img src="assets/img/portfolio/portfolio-details-3.jpg"
alt="">
                    </div>

                </div>
                <div class="swiper-pagination"></div>
            </div>
        </div>

        <div class="col-lg-4">
            <div class="portfolio-info">
                <h3>Project information</h3>
                <ul>
                    <li><strong>Category</strong>: Web design</li>
                    <li><strong>Client</strong>: ASU Company</li>
                    <li><strong>Project date</strong>: 01 March, 2020</li>
                    <li><strong>Project URL</strong>: <a
href="#">www.example.com</a></li>
                </ul>
            </div>
            <div class="portfolio-description">
                <h2>This is an example of portfolio detail</h2>
                <p>
                    Autem ipsum nam porro corporis rerum. Quis eos dolorem
eos itaque inventore commodi labore quia quia. Exercitationem repudiandae
officiis neque suscipit non officia eaque itaque enim. Voluptatem officia
accusantium nesciunt est omnis tempora consectetur dignissimos. Sequi nulla at
esse enim cum deserunt eius.
                </p>
            </div>
        </div>

      </div>

    </div>
  </section><!-- End Portfolio Details Section -->

</main><!-- End #main -->



<a href="#" class="back-to-top d-flex align-items-center justify-content-
```

```
center"><i class="bi bi-arrow-up-short"></i></a>

    <!-- Vendor JS Files -->
    <script src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
    <script src="assets/vendor/aos/aos.js"></script>
    <script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
    <script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
    <script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
    <script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
    <script src="assets/vendor/typed.js/typed.umd.js"></script>
    <script src="assets/vendor/waypoints/noframework.waypoints.js"></script>
    <script src="assets/vendor/php-email-form/validate.js"></script>

    <!-- Template Main JS File -->
    <script src="assets/js/main.js"></script>

</body>

</html>
```

OUTPUT :

iPortfolio Bootstrap Template -
E:/MCA/SEM%202/WTL/Portfolio@anshad/iPortfolio/index.html#
Muhammad Anshad P A
Home
About
Resume
Contact
Muhammad Anshad P A
I'm System Engineer|

iPortfolio Bootstrap Template -
E:/MCA/SEM%202/WTL/Portfolio@anshad/iPortfolio/index.html#
Muhammad Anshad P A
Home
About
Resume
Contact
About
I am a passionate web developer and a System Engineer with a strong foundation in front-end and back-end technologies. My journey in System Engineer started from TCS, and it has evolved into a full-fledged career.
Web Developer & System Engineer .
As a system engineer checking the reliability and stability of the systems, provide timely and accurate technical support, and perform routine maintenance and updates.
Birthday: 11 April 2000
Website: www.linkedin.com/in/muhammad-anshad-p-a-b7a9b9214
Phone: +91 8157847663
City: Wayanad,Kerala
Age: 23
Degree: MCA
Email: marshu817@gmail.com
Freelance: Available

iPortfolio Bootstrap Template -
File E:/MCA/SEM%202/WTL/Portfolio@anshad/iPortfolio/index.html#
Gmail YouTube Maps Captive Portal Login... ROLE RAJAGIRI Group of I... Rajagiri College of S... Rajagiri College of S... Sign in to access Int... Simple Bakery Shop...
Muhammad Anshad P A
Home
About
Resume
Contact
Resume
I am a passionate web developer and a System Engineer with a strong foundation in front-end and back-end technologies. My journey in System Engineer started from TCS, and it has evolved into a full-fledged career.
Sumary
MUHAMMAD ANSHAD P A
Web Developer and System Engineer with 1+ years of experience System Engineering and Support services.
Muhammad Anshad,Kerala, INDIA
(91) 8157847663
marshu817@gmail.com
Education
BACHELOR OF COMPUTER APPLICATION
2018 - 2021
St. Josephs College Devagiri (Autonomous), Calicut, Kerala
This program at St. Joseph's College Devagiri provided a holistic learning
Professional Experience
PYTHON FULL STACK DEVELOPER
2021 - 2022
Quest Innovative solutions ,Calicut, Kerala
Gained proficiency in frontend technologies such as HTML, CSS, and JavaScript, enabling you to create interactive user interfaces and responsive web designs.
Backend development using Python, including frameworks such as Django and Flask, to build robust and scalable web applications.
Acquired skills in database management using SQL database MySQL for storing and retrieving application data efficiently.
learned how to deploy and host web applications on platform AWS, ensuring accessibility and reliability for end-users.

iPortfolio Bootstrap Template -
File E:/MCA/SEM%202/WTL/Portfolio@anshad/iPortfolio/index.html#
Gmail YouTube Maps Captive Portal Login... ROLE RAJAGIRI Group of I... Rajagiri College of S... Rajagiri College of S... Sign in to access Int... Simple Bakery Shop...
Muhammad Anshad P A
Home
About
Resume
Contact
Education
BACHELOR OF COMPUTER APPLICATION
2018 - 2021
St. Josephs College Devagiri (Autonomous), Calicut, Kerala
This program at St. Joseph's College Devagiri provided a holistic learning experience combining theoretical knowledge with practical skills, thereby preparing graduates for successful careers in the dynamic and competitive IT industry.
MASTER OF COMPUTER APPLICATION
2023 - Present
Rajagiri College of Social Science, kalamassery, Kerala
MCA at Rajagiri College helps me to attain many skills and learn about : Advanced Programming,Database Management,Software Engineering,Artificial Intelligence and Machine Learning,Soft Skills Development and so on.
Django and Flask, to build robust and scalable web applications.
Acquired skills in database management using SQL database MySQL for storing and retrieving application data efficiently.
learned how to deploy and host web applications on platform AWS, ensuring accessibility and reliability for end-users.
ASSISTANT SYSTEM ENGINEER
2022 - 2023
Tata Consultancy Services, Kochi, Kerala
System Maintenance and Support : Maintenance of servers, network devices, and storage systems, to ensure uninterrupted operations and minimal downtime.
Troubleshooting and Issue Resolution : Resolve technical issues related to system performance, configuration, security, and compatibility.
System Monitoring and Optimization.
Backup and Disaster Recovery.
System Documentation and Documentation Management.
Compliance and Security.

iPortfolio Bootstrap Template
E:/MCA/SEM%202/WTL/Portfolio@anshad/iPortfolio/index.html#
Muhammad Anshad P A
Home
About
Resume
Contact
Contact
Location:
Muhammad Anshad P A,Wayand,Kerala,INDIA 670645
Email:
marshu817@gmail.com
Call:
+91 8157847663
Your Name
Your Email
Subject
Message
Send Message

PROJECT	Date: 21/03/2024
Online Bakery Management System	

CODE :

Index.php

```
<?php
session_start();
if(!isset($_SESSION['user_id'])){
	header("Location:./login.php");
	exit;
}
require_once('DBConnection.php');
$page = isset($_GET['page']) ? $_GET['page'] : 'home';
if($_SESSION['type'] != 1 &&
in_array($page,array('maintenance','products','stocks'))){
	header("Location:./");
	exit;
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta http-equiv="X-UA-Compatible" content="IE=edge">
	<meta name="viewport" content="width=device-width, initial-
scale=1.0">
	<title><?php echo ucwords(str_replace('_',",$page)) ?> | Bakery Shop
Management System</title>
	<link rel="stylesheet" href="./Font-Awesome-master/css/all.min.css">
	<link rel="stylesheet" href="./css/bootstrap.min.css">
	<link rel="stylesheet" href="./select2/css/select2.min.css">
	<script src="./js/jquery-3.6.0.min.js"></script>
	<script src="./js/popper.min.js"></script>
	<script src="./js/bootstrap.min.js"></script>
	<link rel="stylesheet" href="./DataTables/datatables.min.css">
	<script src="./DataTables/datatables.min.js"></script>
	<script src="./select2/js/select2.full.min.js"></script>
	<script src="./Font-Awesome-master/js/all.min.js"></script>
```

```
<script src="./js/script.js"></script>
<style>
    :root{
        --bs-success-rgb:71, 222, 152 !important;
    }
    html,body{
        height:100%;
        width:100%;
    }
    @media screen{
        body{
            background-
image:url('./images/wallpaper.jfif') !important;
            background-size:cover;
            background-repeat:no-repeat;
            background-position:center center;
            backdrop-filter: brightness(0.7);
        }
    }
    main{
        height:100%;
        display:flex;
        flex-flow:column;
    }
    #page-container{
        flex: 1 1 auto;
        overflow:auto;
    }
    #topNavBar{
        flex: 0 1 auto;
    }
    .thumbnail-img{
        width:50px;
        height:50px;
        margin:2px
    }
    .truncate-1 {
        overflow: hidden;
        text-overflow: ellipsis;
        display: -webkit-box;
        -webkit-line-clamp: 1;
        -webkit-box-orient: vertical;
    }
```

```
.truncate-3 {
	overflow: hidden;
	text-overflow: ellipsis;
	display: -webkit-box;
	-webkit-line-clamp: 3;
	-webkit-box-orient: vertical;
}
.modal-dialog.large {
	width: 80% !important;
	max-width: unset;
}
.modal-dialog.mid-large {
	width: 50% !important;
	max-width: unset;
}
@media (max-width:720px){

	.modal-dialog.large {
		width: 100% !important;
		max-width: unset;
	}
	.modal-dialog.mid-large {
		width: 100% !important;
		max-width: unset;
	}

}
.display-select-image{
	width:60px;
	height:60px;
	margin:2px
}
img.display-image {
	width: 100%;
	height: 45vh;
	object-fit: cover;
	background: black;
}
/* width */
::-webkit-scrollbar {
width: 5px;
}
```

```
            /* Track */
            ::-webkit-scrollbar-track {
            background: #f1f1f1;
            }

            /* Handle */
            ::-webkit-scrollbar-thumb {
            background: #888;
            }

            /* Handle on hover */
            ::-webkit-scrollbar-thumb:hover {
            background: #555;
            }
            .img-del-btn{
                  right: 2px;
                  top: -3px;
            }
            .img-del-btn>.btn{
                  font-size: 10px;
                  padding: 0px 2px !important;
            }
      </style>
</head>
<body>
      <main>
      <nav class="navbar navbar-expand-lg navbar-dark bg-dark bg-gradient"
id="topNavBar">
            <div class="container">
                  <a class="navbar-brand" href="./">
                  Bakery Shop Management System
                  </a>
                  <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav"
aria-expanded="false" aria-label="Toggle navigation">
                  <span class="navbar-toggler-icon"></span>
                  </button>
                  <div class="collapse navbar-collapse" id="navbarNav">
                        <ul class="navbar-nav">
                              <li class="nav-item">
                                    <a class="nav-link <?php echo ($page ==
'home')? 'active' : '' ?>" aria-current="page" href="./">Home</a>
                              </li>
```

```
                    <?php if($_SESSION['type'] == 1): ?>
                    <li class="nav-item">
                        <a class="nav-link    <?php echo ($page ==
'products')? 'active' : '' ?>" href="./?page=products">Products</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link    <?php echo ($page ==
'stocks')? 'active' : '' ?>" href="./?page=stocks">Stocks</a>
                    </li>
                    <?php endif; ?>
                    <li class="nav-item">
                        <a class="nav-link    <?php echo ($page ==
'sales')? 'active' : '' ?>" href="./?page=sales">POS</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link    <?php echo ($page ==
'sales_report')? 'active' : '' ?>" href="./?page=sales_report">Sales</a>
                    </li>
                    <?php if($_SESSION['type'] == 1): ?>
                    <li class="nav-item">
                        <a class="nav-link <?php echo ($page ==
'users')? 'active' : '' ?>" aria-current="page" href="./?page=users">Users</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link"
href="./?page=maintenance">Maintenance</a>
                    </li>
                    <?php endif; ?>

                </ul>
            </div>
            <div>
            <div class="dropdown">
                <button class="btn btn-secondary dropdown-toggle bg-
transparent    text-light border-0" type="button" id="dropdownMenuButton1"
data-bs-toggle="dropdown" aria-expanded="false">
                    Hello <?php echo $_SESSION['fullname'] ?>
                </button>
                <ul class="dropdown-menu" aria-
labelledby="dropdownMenuButton1">
                    <li><a class="dropdown-item"
href="./?page=manage_account">Manage Account</a></li>
                    <li><a class="dropdown-item"
```

```
href="./Actions.php?a=logout">Logout</a></li>
                        </ul>
                    </div>
                    </div>
                </div>
        </nav>
        <div class="container py-3" id="page-container">
                <?php
                    if(isset($_SESSION['flashdata'])):
                ?>
                <div class="dynamic_alert alert alert-<?php echo
$_SESSION['flashdata']['type'] ?> rounded-0 shadow">
                <div class="float-end"><a href="javascript:void(0)" class="text-
dark text-decoration-none"
onclick="$(this).closest('.dynamic_alert').hide('slow').remove()">x</a></div>
                    <?php echo $_SESSION['flashdata']['msg'] ?>
                </div>
                <?php unset($_SESSION['flashdata']) ?>
                <?php endif; ?>
                <?php
                    include $page.'.php';
                ?>
        </div>
        </main>
        <div class="modal fade" id="uni_modal" role='dialog' data-bs-
backdrop="static" data-bs-keyboard="true">
                <div class="modal-dialog modal-md modal-dialog-centered
rounded-0" role="document">
                <div class="modal-content rounded-0">
                    <div class="modal-header py-2">
                    <h5 class="modal-title"></h5>
                </div>
                <div class="modal-body">
                </div>
                <div class="modal-footer py-1">
                    <button type="button" class="btn btn-sm rounded-0 btn-
primary" id='submit' onclick="$('#uni_modal
form').submit()">Save</button>
                    <button type="button" class="btn btn-sm rounded-0 btn-
secondary" data-bs-dismiss="modal">Close</button>
                </div>
                </div>
                </div>
```

```
    </div>
    <div class="modal fade" id="uni_modal_secondary" role='dialog' data-
bs-backdrop="static" data-bs-keyboard="true">
        <div class="modal-dialog modal-md modal-dialog-centered
rounded-0" role="document">
        <div class="modal-content rounded-0">
            <div class="modal-header py-2">
            <h5 class="modal-title"></h5>
        </div>
        <div class="modal-body">
        </div>
        <div class="modal-footer py-1">
            <button type="button" class="btn btn-sm rounded-0 btn-
primary" id='submit' onclick="$('#uni_modal_secondary
form').submit()">Save</button>
            <button type="button" class="btn btn-sm rounded-0 btn-
secondary" data-bs-dismiss="modal">Close</button>
        </div>
        </div>
        </div>
    </div>
    <div class="modal fade" id="confirm_modal" role='dialog'>
        <div class="modal-dialog modal-md modal-dialog-centered
rounded-0" role="document">
        <div class="modal-content rounded-0 rounded-0">
            <div class="modal-header py-2">
            <h5 class="modal-title">Confirmation</h5>
        </div>
        <div class="modal-body">
            <div id="delete_content"></div>
        </div>
        <div class="modal-footer py-1">
            <button type="button" class="btn btn-primary btn-sm
rounded-0" id='confirm' onclick="">Continue</button>
            <button type="button" class="btn btn-secondary btn-sm
rounded-0" data-bs-dismiss="modal">Close</button>
        </div>
        </div>
        </div>
    </div>
</body>
</html>
```

home.php

```
<div class="content py-3">
	<div class="card rounded-0 shadow">
		<div class="card-body">
			<h3>Welcome to Bakery Shop Management System</h3>
			<hr>
			<div class="col-12">
				<div class="row gx-3 row-cols-4">
					<div class="col">
						<div class="card text-dark">
							<div class="card-body">
								<div class="w-100 d-flex align-items-
center">
								<div class="col-auto pe-1">
	<span class="fa fa-th-list
fs-3 text-primary"></span>
								</div>
								<div class="col-auto flex-grow-
1">
	<div class="fs-
5"><b>Catrgories</b></div>
	<div class="fs-6 text-end
fw-bold">
		<?php
		$category = $conn-
>query("SELECT count(category_id) as `count` FROM `category_list` where
delete_flag = 0 ")->fetch_array()['count'];
		echo $category > 0 ?
format_num($category) : 0 ;
		?>
	</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="col">
	<div class="card text-dark">
		<div class="card-body">
```

```
                                        <div class="w-100 d-flex align-items-
center">
                                            <div class="col-auto pe-1">
                                                <span class="fas fa-
shopping-bag fs-3 text-secondary"></span>
                                            </div>
                                            <div class="col-auto flex-grow-
1">
                                                <div class="fs-
5"><b>Products</b></div>
                                                <div class="fs-6 text-end
fw-bold">
                                                    <?php
                                                    $product = $conn-
>query("SELECT count(product_id) as `count` FROM `product_list` where
delete_flag = 0 ")->fetch_array()['count'];
                                                    echo $product > 0 ?
format_num($product) : 0 ;
                                                    ?>
                                                </div>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                            </div>
                            <div class="col">
                                <div class="card text-dark">
                                    <div class="card-body">
                                        <div class="w-100 d-flex align-items-
center">
                                            <div class="col-auto pe-1">
                                                <span class="fa fa-file-alt
fs-3 text-info"></span>
                                            </div>
                                            <div class="col-auto flex-grow-
1">
                                                <div class="fs-5"><b>Total
Stocks</b></div>
                                                <div class="fs-6 text-end
fw-bold">
                                                    <?php
                                                    $stock = 0;
                                                    $stock_query = $conn-
```

```
>query("SELECT * FROM `stock_list` where product_id in (SELECT
product_id FROM `product_list` where delete_flag = 0) and
unix_timestamp(CONCAT(`expiry_date`)) >=
unix_timestamp(CURRENT_TIMESTAMP) ");
                                                        while($row =
$stock_query->fetch_assoc()):
                                                            $stock_in =
$conn->query("SELECT sum(quantity) as `total` FROM `stock_list` where
unix_timestamp(CONCAT(`expiry_date`, ' 23:59:59')) >=
unix_timestamp(CURRENT_TIMESTAMP) and product_id =
'{$row['product_id']}' ")->fetch_array()['total'];
                                                            $stock_out =
$conn->query("SELECT sum(quantity) as `total` FROM `transaction_items`
where product_id = '{$row['product_id']}' ")->fetch_array()['total'];
                                                            $stock_in =
$stock_in > 0 ? $stock_in : 0;
                                                            $stock_out =
$stock_out > 0 ? $stock_out : 0;
                                                            $qty = $stock_in-
$stock_out;
                                                            $qty = $qty > 0 ?
$qty : 0;
                                                            $stock += $qty;
                                                        endwhile;
                                                        echo $stock > 0 ?
format_num($stock) : 0 ;
                                                        ?>
                                                    </div>
                                                </div>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                                <div class="col">
                                    <div class="card text-dark">
                                        <div class="card-body">
                                            <div class="w-100 d-flex align-items-
center">
                                                <div class="col-auto pe-1">
                                                    <span class="fa fa-coins fs-
3 text-warning"></span>
                                                </div>
                                                <div class="col-auto flex-grow-
```

```
1">
                                                <div class="fs-
5"><b>Today's Sales</b></div>
                                                <div class="fs-6 text-end
fw-bold">
                                                    <?php
                                                    $sales = $conn-
>query("SELECT sum(total) as `total` FROM `transaction_list` where
date(date_added) = date(CURRENT_TIMESTAMP)
".(($_SESSION['type'] != 1)? " and user_id = '{$_SESSION['user_id']}' " :
""))->fetch_array()[0];
                                                    echo $sales > 0 ?
format_num($sales) : 0 ;
                                                    ?>
                                                </div>
                                            </div>
                                        </div>
                                    </div>
                                </div>
                            </div>
                        </div>
                        <hr>
                        <div class="row">
                            <div class="col-12">
                                <h3>Stock Available</h3>
                                <hr>
                                <table class="table table-striped table-hover
table-bordered" id="inventory">
                                    <colgroup>
                                        <col width="25%">
                                        <col width="25%">
                                        <col width="25%">
                                        <col width="25%">
                                    </colgroup>
                                    <thead>
                                        <tr>
                                            <th class="py-0 px-
1">Category</th>
                                            <th class="py-0 px-1">Product
Code</th>
                                            <th class="py-0 px-1">Product
Name</th>
                                            <th class="py-0 px-1">Available
```

```
Quantity</th>
                                        </tr>
                                    </thead>
                                    <tbody>
                                        <?php
                                            $sql = "SELECT p.*,c.name as
cname FROM `product_list` p inner join `category_list` c on p.category_id =
c.category_id where p.status = 1 and p.delete_flag = 0 order by `name` asc";
                                            $qry = $conn->query($sql);
                                            while($row = $qry-
>fetch_assoc()):
                                                $stock_in = $conn-
>query("SELECT sum(quantity) as `total` FROM `stock_list` where
unix_timestamp(CONCAT(`expiry_date`, ' 23:59:59')) >=
unix_timestamp(CURRENT_TIMESTAMP) and product_id =
'{$row['product_id']}' ")->fetch_array()['total'];
                                                $stock_out = $conn-
>query("SELECT sum(quantity) as `total` FROM `transaction_items` where
product_id = '{$row['product_id']}' ")->fetch_array()['total'];
                                                $stock_in = $stock_in > 0 ?
$stock_in : 0;
                                                $stock_out = $stock_out >
0 ? $stock_out : 0;
                                                $qty = $stock_in-
$stock_out;
                                                $qty = $qty > 0 ? $qty : 0;
                                        ?>
                                            <tr class="<?php echo $qty <
50? "bg-danger bg-opacity-25":" ?>">
                                                <td class="td py-0 px-
1"><?php echo $row['cname'] ?></td>
                                                <td class="td py-0 px-
1"><?php echo $row['product_code'] ?></td>
                                                <td class="td py-0 px-
1"><?php echo $row['name'] ?></td>
                                                <td class="td py-0 px-1
text-end">
                                                    <?php
if($_SESSION['type'] == 1): ?>
                                                    <?php echo $qty <
$row['alert_restock']? "<a href='javascript:void(0)' class='restock me-1' data-
pid = '".$row['product_id']."' data-name = '".$row['product_code'].' -
'.$row['name']."'> Restock</a>":" ?>
```

```
                                                                <?php endif; ?>
                                                                <?php echo
$qty ?></td>
                                                                    </tr>
                                                            <?php endwhile; ?>
                                                        </tbody>
                                                    </table>
                                                </div>
                                            </div>
                                        </div>
                                    </div>
                                </div>
</div>

<script>
    $(function(){
        $('.restock').click(function(){
            uni_modal('Add New Stock for <span class="text-
primary">'+$(this).attr('data-
name')+"</span>","manage_stock.php?pid="+$(this).attr('data-pid'))
        })
        $('table#inventory').dataTable()

    })
</script>
```

login.php

```
<?php
session_start();
if(isset($_SESSION['user_id']) && $_SESSION['user_id'] > 0){
	header("Location:./");
	exit;
}
require_once('DBConnection.php');
$page = isset($_GET['page']) ? $_GET['page'] : 'home';
?>
<!DOCTYPE html>
<html lang="en">
<head>
	<meta charset="UTF-8">
	<meta http-equiv="X-UA-Compatible" content="IE=edge">
	<meta name="viewport" content="width=device-width, initial-
scale=1.0">
	<title>LOGIN | Bakery Shop Management System</title>
	<link rel="stylesheet" href="./css/bootstrap.min.css">
	<script src="./js/jquery-3.6.0.min.js"></script>
	<script src="./js/popper.min.js"></script>
	<script src="./js/bootstrap.min.js"></script>
	<script src="./js/script.js"></script>
	<style>
		html, body{
			height:100%;
		}
		body{
			background-image:url('./images/wallpaper.jfif') !important;
			background-size:cover;
			background-repeat:no-repeat;
			background-position:center center;
		}
		h1#sys_title {
			font-size: 6em;
			text-shadow: 3px 3px 10px #000000;
		}
		@media (max-with:700px){
			h1#sys_title {
				font-size: inherit !important;
			}
		}
```

```
        </style>
</head>
<body class="">
    <div class="h-100 d-flex jsutify-content-center align-items-center">
        <div class='w-100'>
            <h1 class="py-5 text-center text-light px-4" id="sys_title">Bakery
Shop Management System</h1>
            <div class="card my-3 col-md-4 offset-md-4">
                <div class="card-body">
                    <form action="" id="login-form">
                        <center><small>Please enter your
credentials.</small></center>
                        <div class="form-group">
                            <label for="username" class="control-
label">Username</label>
                            <input type="text" id="username" autofocus
name="username" class="form-control form-control-sm rounded-0"
required>
                        </div>
                        <div class="form-group">
                            <label for="password" class="control-
label">Password</label>
                            <input type="password" id="password"
name="password" class="form-control form-control-sm rounded-0"
required>
                        </div>
                        <div class="form-group d-flex w-100 justify-
content-end">
                            <button class="btn btn-sm btn-primary
rounded-0 my-1">Login</button>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </div>
</body>
<script>
        $(function(){
            $('#login-form').submit(function(e){
                e.preventDefault();
                $('.pop_msg').remove()
                var _this = $(this)
```

```
                var _el = $('<div>')
                        _el.addClass('pop_msg')
                _this.find('button').attr('disabled',true)
                _this.find('button[type="submit"]').text('Loging in...')
                $.ajax({
                        url:'./Actions.php?a=login',
                        method:'POST',
                        data:$(this).serialize(),
                        dataType:'JSON',
                        error:err=>{
                                console.log(err)
                                _el.addClass('alert alert-danger')
                                _el.text("An error occurred.")
                                _this.prepend(_el)
                                _el.show('slow')
                                _this.find('button').attr('disabled',false)
                                _this.find('button[type="submit"]').text('Save')
                        },
                        success:function(resp){
                                if(resp.status == 'success'){
                                        _el.addClass('alert alert-success')
                                        setTimeout(() => {
                                                location.replace('./');
                                        }, 2000);
                                }else{
                                        _el.addClass('alert alert-danger')
                                }
                                _el.text(resp.msg)

                                _el.hide()
                                _this.prepend(_el)
                                _el.show('slow')
                                _this.find('button').attr('disabled',false)
                                _this.find('button[type="submit"]').text('Save')
                        }
                })
        })
    })
</script>
</html>
```

OUTPUT :

LOGIN | Bakery Shop Manageme
Not secure | bakery/login.php
Bakery Shop Management System
Please enter your credentials.
Username
admin
Password
Login

Home | Bakery Shop Manageme
Not secure | bakery/
Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Welcome to Bakery Shop Management System
Categories 14
Products 21
Total Stocks 180
Today's Sales 0
Stock Available
Show 10 entries
Search:
Category | Product Code | Product Name | Available Quantity
Beverages | 170001 | Cappuccino | Restock 0
Beverages | 170002 | Classic Cold Coffee | Restock 8
Biscuits, Cookies & Crackers | 120002 | Cheese Crackers | 30
Biscuits, Cookies & Crackers | 120003 | Double Choco Chip Cookies | 30
Breads | 130001 | Wheat Bread Loaf | Restock 0
Breads | 130002 | Wheat Sourdough Loaf | Restock 19
Brownies | 110001 | Choco Chip Brownie | Restock 0
Cakes - 3D/Theme Cakes | 100401 | Football Cake | Restock 2
Cakes - Dry Cakes | 100601 | Dates and Carrot Cake | 20
Cakes - Fresh Creams | 100001 | Vanilla Cake | Restock 5
Showing 1 to 10 of 19 entries
Previous 1 2 Next

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Product List
Add New
Show 10 entries
Search:
| Code | Category | Product | Price | Alert | Status | Action
1 | 120001 | Biscuits, Cookies & Crackers | Almond Biscotti double baked Italian biscuits | 205 | 20 | Inactive | Action
2 | 100101 | Cakes - Birthday Cakes | Barbie Doll Barbie cake | 1,500 | 5 | Inactive | Action
3 | 170001 | Beverages | Cappuccino Our Cappuccino is a traditionally made espresso-based coffee drink prepared with steamed milk foam. | 130 | 10 | Active | Action
4 | 120002 | Biscuits, Cookies & Crackers | Cheese Crackers made with cheese, butter & a touch of mustard and chilli. | 150 | 20 | Active | Action
5 | 160002 | Sandwiches & Savouries | Chicken & Cheese Butter Puff (1 Pc) a flaky butter pastry filled with our classic bechamel sauce, herb-roasted chicken, & cheese. | 105 | 10 | Active | Action
6 | 110001 | Brownies | Choco Chip Brownie dense fudgy brownie made with pure couverture chocolate | 105 | 20 | Active | Action
7 | 140002 | Desserts & Cupcakes | Chocolate Cupcake made with a moist chocolate sponge & topped with the smoothest, silkiest chocolate buttercream | 110 | 20 | Active | Action
Chocolate Tart a crisp butter pastry shell encasing a rich and

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Stock List
Add New
Show 10 entries
Search:
Date Added Product Quantity Expiry Action
1 2024-03-17 130002 Wheat Sourdough Loaf 20 2024-03-30 Action
2 2024-03-17 130001 Wheat Bread Loaf 20 2024-03-23 Action
3 2024-03-17 100001 Vanilla Cake 5 2024-04-25 Action
4 2024-03-17 100501 Three Layered Wedding Cake 1 2024-04-30 Action
5 2024-03-17 160001 Roasted Chicken & Mustard Sandwich 20 2024-03-16 Action
6 2024-03-17 100201 Mickey and Minnie 3 2024-04-30 Action
7 2024-03-17 100401 Football Cake 2 2024-04-30 Action
8 2024-03-17 150001 Eggless Red Velvet Pastry 5 2024-03-31 Action
9 2024-03-17 100301 Eggless Plum Cake 20 2024-04-19 Action
10 2024-03-17 120003 Double Choco Chip Cookies 30 2024-07-18 Action

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Transaction
Save Transaction
Please select product below
Search
Category Product Code Product Name Price Available Quantity
Brownies 110001 Choco Chip Brownie 105 0
Desserts & Cupcakes 140002 Chocolate Cupcake 110 0
Desserts & Cupcakes 140001 Chocolate Tart 140 0
Beverages 170002 Classic Cold Coffee 160 8
Pastries 150002 Dark Chocolate Mocha Pastry 125 10
Cakes - Dry Cakes 100601 Dates and Carrot Cake 595 20
Biscuits, Cookies & Crackers 120003 Double Choco Chip Cookies 230 30
Cakes - Plum Cakes 100301 Eggless Plum Cake 620 19
Pastries 150001 Eggless Red Velvet Pastry 140 5
Cakes - 3D/Theme Cakes 100401 Football Cake 1,700 2
Cakes - Photo Cakes 100201 Mickey and Minnie 1,500 3
Sandwiches & Savouries 160001 Roasted Chicken & Mustard Sandwich 230 0
Cakes - Wedding Cakes 100501 Three Layered Wedding Cake 9,500 1
Cakes - Fresh Creams 100001 Vanilla Cake 595 5
Breads 130001 Wheat Bread Loaf 90 0
Items
Qty Product Total
3 170001 Cappuccino (130) 390
1 140002 Chocolate Cupcake (110) 110
1 160001 Roasted Chicken & Mustard Sandwich (230) 230
Sub-Total 730
Tax (12%)Inclusive 87.6
Total 730

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Transaction
Save Transaction
Please select product below
Search
Category Product Code
Brownies 110001
Desserts & Cupcakes 140002
Desserts & Cupcakes 140001
Beverages 170002
Pastries 150002
Cakes - Dry Cakes 100601
Biscuits, Cookies & Crackers 120003
Cakes - Plum Cakes 100301
Pastries 150001
Cakes - 3D/Theme Cakes 100401
Cakes - Photo Cakes 100201
Sandwiches & Savouries 160001
Mustard Sandwich
Cakes - Wedding Cakes 100501 Three Layered Wedding Cake 9,500 1
Cakes - Fresh Creams 100001 Vanilla Cake 595 5
Breads 130001 Wheat Bread Loaf 90 0
RECEIPT
Bakery Shop Management System
Receipt
Date: 2024-03-25
Receipt No: 1711347842
QTY Product Amount
3 170001 Cappuccino (130) 390
1 140002 Chocolate Cupcake (110) 110
1 160001 Roasted Chicken & Mustard Sandwich (230) 230
Total 730
Tax 12% 87.6
Tendered Amount 800
Change 70
Print
Close
Items
Qty Product Total
3 170001 Cappuccino (130) 390
1 140002 Chocolate Cupcake (110) 110
1 160001 Roasted Chicken & Mustard Sandwich (230) 230
Sub-Total 730
Tax (12%)Inclusive 87.6
Total 730

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Sales Report
Filter
Date From
18-03-2024
Date To
25-03-2024
Filter
Print
Date Receipt No Items Total Amount Processed By
1 2024-03-23 1711202951 2 365 Administrator
2 2024-03-25 1711347842 3 730 Administrator

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Users List
Add New
Show 10 entries
Search:
Name Username Type Action
1 Majo augustine manoj123 Cashier Action
2 Muhammad Anshad anshadansha1 Administrator Action
3 Nihal muhammad niga123 Cashier Action
Showing 1 to 3 of 3 entries
Previous 1 Next

Bakery Shop Management System
Home Products Stocks POS Sales Users Maintenance
Hello Administrator
Maintenance
Category List
Beverages Active
Biscuits, Cookies & Crackers Active
Breads Active
Brownies Active
Cakes - 3D/Theme Cakes Active
Cakes - Birthday Cakes Active
Cakes - Dry Cakes Active
Cakes - Fresh Creams Active
Cakes - Photo Cakes Active
Cakes - Plum Cakes Active
Cakes - Wedding Cakes Active
Desserts & Cupcakes Active
Pastries Active
Sandwiches & Savouries Active