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

MASTER OF COMPUTER APPLICATIONS

WTL LAB RECORD

NAME : DILSHA C P

SEMESTER : SECOND

REGISTER NO. : 23204018

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CERTIFICATE

NAME : DILSHA C P

SEMESTER : SECOND

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

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TABLE OF CONTENTS

Sl. No.	Programs	Page No.
	HTML AND CSS	
1.1	Write a program using HTML and CSS, creating a horizontally scrollable container that will snap on elements when scrolling	**4**
1.2	Write a program to implement CSS Forms	**6**
1.3	How to Implement Image Zoom On Hover and disable right click on Webpage	**11**
1.4	How to attach audio to a webpage	**14**
1.5	How to embed pdf files in a webpage	**16**
1.6	How to implement a simple calculator using HTML	**18**
1.7	Write a program to create a comment box using HTML and CSS	**22**
1.8	Write an HTML code to implement the CSS Loader	**25**
1.9	Write a program to Redirect a particular section using HTML on the same page	**27**
	JAVA SCRIPT	
2.1	Write a program to implement pop-up boxes available in JavaScript.	**29**
2.2	Write a JavaScript program that accepts two integers and displays the larger	**31**
2.3	Write a program to implement Email Validation in JavaScript	**33**
2.4	Write a JavaScript program to sort the items of an array	**35**
2.5	Demonstrate Function call in JavaScript.	**37**
2.6	Write a JavaScript program to test the first character of a string is uppercase or not.	**39**
2.7	Write a JavaScript Program to Convert Decimal to Binary.	**41**
2.8	Create a webpage that displays the current date and time using JavaScript	**43**
2.9	Implement a JavaScript program to change the background color randomly.	**45**
2.10	Write a JavaScript program to construct the pyramid pattern, using a nested for loop.	**48**
2.11	Write a JavaScript Program to Solve Quadratic Equations.	**50**
2.12	Write a JavaScript function that accepts a string as a parameter and counts the number of vowels within the string.	**53**
2.13	Write a program to Toggle Password Visibility in JavaScript.	**56**

JSON		
3.1	Write a program to demonstrate the Fibonacci sequence in JSON.	**58**
3.2	Write a program to check leap years.	**61**
PHP		
4.1	Write a PHP program to check whether a given number is Armstrong or not.	**63**
4.2	Write a PHP program to illustrate Cookies.	**66**
4.3	Check whether a year is a leap year or not by inserting a year in PHP.	**68**
4.4	Write a program to Implement static properties in PHP	**70**
4.5	Write a PHP program to use the global keyword to access a global variable from within a function.	**73**
4.6	Write a PHP program to convert a decimal number into a binary number	**75**
4.7	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	**78**
4.8	Write a PHP program to create an array and store 10 names in the array. Do the following operations. 1. Display the contents using each statement. 2. Display the array in sorted order. 3. Display the array without the duplicate elements. 4. Remove the last element and display. 5. Display the array in reverse order. 6. Search for an element in the given array.	**80**
4.9	Write the PHP script to send an email.	**83**
4.10	Write a PHP program to implement MySQL databases with CRUD operations.	**86**
LARAVEL FRAMEWORK		
5.1	Program to illustrate the workings of a simple Laravel web application.	**91**
5.2	Program to demonstrate the implementation of the Bootstrap framework in Laravel.	**93**
5.3	Program to illustrate the creation of a Laravel web application with all form validations.	**96**
5.4	Create a Login page using the Laravel framework.	**100**
5.5	Program to implement session handling using the Laravel framework.	**108**

5.6	Write a program to execute database CRUD operations in the Laravel framework.	**114**
5.7	Create a simple Laravel Web Application, including: 1. A registration form with all form validations. 2. Perform CRUD operations using migrations.	**123**
5.8	Create a Web Application for Blog Creation with a Login and Registration form and perform the following operations on blogs using the Laravel framework. 1. CREATE Blogs. 2. VIEW Blogs in a Table. 3. EDIT and UPDATE Blogs. 4. DELETE Blogs.	**139**
5.9	Create a simple LARAVEL web application displaying the CAE2 Marks of MSc CS students, including: 1. Student Login and Teacher login 2. Teachers can Add, View, Update, and Delete Students and Marks. 3. Students can VIEW their marks	**151**
5.10	Create a simple Laravel web application for students, including: 1. Student Registration Form 2. Form Validations. 3. Login for students with session handling. 4. Minimum of two web pages with a standard layout.	**164**
6	**PORTFOLIO**	**175**
7	**PROJECT**	**206**

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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
Email
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

Style.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  text-decoration: none;
}

html {
  scroll-behavior: smooth;
}

::-webkit-scrollbar {
  width: 6px;
}

::-webkit-scrollbar-track {
  background: #f1f1f1;
}

.loader_bg {
  position: fixed;
  z-index: 9999999;
  background: #fff;
  width: 100%;
  height: 100%;
}

.loader {
  height: 100%;
  width: 100%;
  position: absolute;
  left: 0;
  top: 0;
  display: flex;
  justify-content: center;
  align-items: center;
}
```

```
.loader img {
  width: 280px;
}

::-webkit-scrollbar-thumb {
  border-radius: 12px;
  background: linear-gradient(135deg, #f57308, #fff, rgb(11, 242, 7));
}

::-webkit-scrollbar-thumb:hover {
  background: linear-gradient(135deg, #1a6ad2, #fff, rgb(245, 5, 53));
}

/*  Simillar  */

section {
  padding: 100px 0;
}

.max-width {
  max-width: 1300px;
  padding: 0 80px;
  margin: auto;
}

.about,
.services,
.skills,
.projects,
.contact,
footer {
  font-family: "Poppins", sans-serif;
}

.about .about-content,
.services .serv-content,
.skills .skills-content,
.contact .contact-content {
  display: flex;
  flex-wrap: wrap;
  align-items: center;
  justify-content: space-between;
}
```

```
section .title {
  position: relative;
  text-align: center;
  font-size: 40px;
  font-weight: 500;
  margin-bottom: 60px;
  padding-bottom: 20px;
  font-family: "Ubuntu", sans-serif;
}

section .title::before {
  content: "";
  position: absolute;
  bottom: 0px;
  left: 50%;
  width: 180px;
  height: 3px;
  transform: translateX(-50%);
}

section .title::after {
  position: absolute;
  bottom: -8px;
  left: 50%;
  font-size: 20px;
  color: #1e3551;
  padding: 0 5px;
  transform: translateX(-50%);
}

/*  Navbar  */
.navbar {
  position: fixed;
  width: 100%;
  z-index: 999;
  padding: 30px 0;
  font-family: "Ubuntu", sans-serif;
  transition: all 0.3s ease;
}

.navbar.sticky {
  padding: 15px 0;
```

```
  background: #1e3551;
}

.navbar .max-width {
  display: flex;
  align-items: center;
  justify-content: space-between;
}

.navbar .logo a {
  color: #fff;
  font-size: 35px;
  font-weight: 600;
}

/*  Nav Logo Span Linear-Gradient  */
.navbar .logo a span {
  background: linear-gradient(135deg, #041d3d, #fff, crimson);
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  transition: all 0.3s ease;
}

.navbar.sticky .logo a span {
  color: #fff;
}

.navbar .menu li {
  list-style: none;
  display: inline-block;
}

.navbar .menu li a {
  display: block;
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  margin-left: 25px;
  transition: color 0.3s ease;
}

.navbar .menu li a:hover {
  color: #1e3551;
```

```
}

.navbar.sticky .menu li a:hover {
  color: #fff;
}

/*  Menu Btn  */
.menu-btn {
  color: #fff;
  font-size: 23px;
  cursor: pointer;
  display: none;
}

.scroll-up-btn {
  position: fixed;
  height: 45px;
  width: 42px;
  background: #1e3551;
  right: 30px;
  bottom: 10px;
  text-align: center;
  line-height: 45px;
  color: #fff;
  z-index: 9999;
  font-size: 30px;
  border-radius: 6px;
  border-bottom-width: 2px;
  cursor: pointer;
  opacity: 0;
  pointer-events: none;
  transition: all 0.3s ease;
}

.scroll-up-btn.show {
  bottom: 30px;
  opacity: 1;
  pointer-events: auto;
}

.scroll-up-btn:hover {
  filter: brightness(90%);
}
```

```
/*  Home  */
.home {
  display: flex;
  background:     url("https://source.unsplash.com/720x600/?dark,laptop")     no-repeat
    center;
  height: 100vh;
  color: #fff;
  min-height: 500px;
  background-size: cover;
  background-attachment: fixed;
  font-family: "Ubuntu", sans-serif;
}

.home .max-width {
  width: 100%;
  display: flex;
}

.home .max-width .row {
  margin-right: 0;
}

.home .home-content .text-1 {
  font-size: 27px;
}

.home .home-content .text-2 {
  font-size: 75px;
  font-weight: 600;
  margin-left: -3px;
}

.home .home-content .text-3 {
  font-size: 40px;
  margin: 5px 0;
}

/* Linear Gradient */
.home .home-content .text-3 span {
  color: #1e3551;
  background: linear-gradient(135deg, #041d3d, #fff, crimson);
```

```
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  font-weight: 500;
}

.home .home-content a {
  display: inline-block;
  background: #1e3551;
  color: #fff;
  font-size: 25px;
  padding: 12px 36px;
  margin-top: 20px;
  font-weight: 400;
  border-radius: 6px;
  border: 2px solid #1e3551;
  transition: all 0.3s ease;
}

.home .home-content a:hover {
  color: #1e3551;
  background: none;
  animation: pulsate 1s ease-in-out;
}

/*  About  */
.about {
  background: radial-gradient(#e1efff, white);
}
.about .title::after {
  content: "—Who I Am ?—";
  text-overflow: ellipsis;
  display: -webkit-inline-box;
  -webkit-line-clamp: 3;
  -webkit-box-orient: vertical;
}

.about .about-content .left {
  width: 45%;
}

.about .about-content .left img {
  height: 400px;
  width: 400px;
```

```
  object-fit: cover;
  border-radius: 6px;
}

.about .about-content .right {
  width: 55%;
}

.about .about-content .right .text {
  font-size: 25px;
  font-weight: 600;
  margin-bottom: 10px;
}

/* Linear Gradiant */
.about .about-content .right .text span {
  /* color: #1e3551; */
  background: linear-gradient(135deg, #041d3d, #fff, crimson);
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
}

.about .about-content .right p {
  text-align: justify;
}

.about .about-content .right a {
  display: inline-block;
  background: #1e3551;
  color: #fff;
  font-size: 20px;
  font-weight: 500;
  padding: 10px 30px;
  margin-top: 20px;
  border-radius: 6px;
  border: 2px solid #1e3551;
  transition: all 0.3s ease;
}

.about .about-content .right a:hover {
  color: #1e3551;
  background: none;
  animation: pulsate 1s ease-in-out;
```

```
}

/*  Service  */
.services,
.projects {
  color: #fff;
  background: #111;
}

.services .title::before,
.projects .title::before {
  background: #fff;
}

.services .title::after,
.projects .title::after {
  background: #111;
  content: "What I Provide ?";
}

.services .serv-content .card {
  width: calc(33% - 20px);
  background: #222;
  text-align: center;
  border-radius: 10px;
  padding: 50px 25px;
  cursor: pointer;
  transition: all 0.3s ease;
}

.services .serv-content .card:hover {
  background: #1e3551;
}

.services .serv-content .card .box {
  transition: all 0.3s ease;
}

.services .serv-content .card:hover .box {
  transform: scale(1.05);
}

.services .serv-content .card i {
```

```
  font-size: 50px;
  color: #888e8d;
  background: linear-gradient(135deg, #041d3d, #fff, crimson);
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  transition: color 0.3s ease;
}

.services .serv-content .card:hover i {
  color: #fff;
}

.services .serv-content .card .text {
  font-size: 25px;
  font-weight: 500;
  margin: 10px 0 7px 0;
}

/*  Skills  */
.skills {
  background: radial-gradient(#e1efff, white);
}
.skills .title::after {
  content: "—What I Know ?—";
}

.skills .skills-content .column {
  width: calc(50% - 30px);
}

.skills .skills-content .left .text {
  font-size: 20px;
  font-weight: 600;
  margin-bottom: 10px;
}

.skills .skills-content .left p {
  text-align: justify;
}

.skills .skills-content .left a {
  display: inline-block;
  background: #1e3551;
```

```
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  padding: 8px 16px;
  margin-top: 20px;
  border-radius: 6px;
  border: 2px solid #1e3551;
  transition: all 0.3s ease;
}

.skills .skills-content .left a:hover {
  color: #1e3551;
  background: none;
  animation: pulsate 1s ease-in-out;
}

.intern,
.project {
  list-style: none;
}

.intern::before,
.project::before {
  content: "✪ ";
  color: #1e3551;
}

.skills .skills-content .right .bars {
  margin-bottom: 15px;
}

.skills .skills-content .right .info {
  display: flex;
  margin-bottom: 5px;
  align-items: center;
  justify-content: space-between;
}

.skills .skills-content .right span {
  font-weight: 500;
  font-size: 18px;
}
```

```
.skills .skills-content .right .line {
  height: 5px;
  width: 100%;
  background: lightgrey;
  position: relative;
}

.skills .skills-content .right .line::before {
  content: "";
  position: absolute;
  height: 100%;
  left: 0;
  top: 0;
  background: #1e3551;
}

.skills-content .right .python::before {
  width: 70%;
}

.skills-content .right .html::before {
  width: 90%;
}

.skills-content .right .css::before {
  width: 80%;
}

.skills-content .right .js::before {
  width: 40%;
}

.skills-content .right .bootstraps::before {
  width: 60%;
}

.skills-content .right .django::before {
  width: 70%;
}

/*  Projects  */
.projects .title::after {
  content: "What I did ?";
```

```
}

.projects .carousel .card {
  background: #222;
  border-radius: 6px;
  padding: 25px 35px;
  text-align: center;
  overflow: hidden;
  transition: all 0.3s ease;
}

.projects .carousel .card:hover {
  background: #1e3551;
}

.projects .carousel .card .box {
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  transition: all 0.3s ease;
}

.projects .carousel .card:hover .box {
  transform: scale(1.05);
}

.projects .carousel .card .text {
  font-size: 25px;
  font-weight: 500;
  margin: 10px 0 7px 0;
}

.projects .carousel .card img {
  height: 150px;
  width: 150px;
  object-fit: cover;
  border-radius: 50%;
  border: 5px solid #888c8d;
  transition: all 0.3s ease;
}

.projects .carousel .card:hover img {
```

```
  border-color: #fff;
}

.owl-dots {
  text-align: center;
  margin-top: 20px;
}

.owl-dot {
  height: 13px;
  width: 13px;
  margin: 0 5px;
  outline: none !important;
  border-radius: 50%;
  border: 2px solid #888c8d !important;
  transition: all 0.3s ease;
}

.owl-dot.active {
  width: 35px;
  border-radius: 14px;
}

.owl-dot.active,
.owl-dot:hover {
  background: #18365a !important;
}

/*  Contact  */
.contact {
  background: radial-gradient(#e1efff, white);
}

.contact .title::after {
  content: "—Get in Touch—";
}

.contact .contact-content .column {
  width: calc(50% - 30px);
}

.contact .contact-content .text {
  font-size: 20px;
```

```
  font-weight: 600;
  margin-bottom: 10px;
}

.contact .contact-content .left p {
  text-align: justify;
}

.contact .contact-content .left .icons {
  margin: 10px 0;
}

.contact .contact-content .row {
  display: flex;
  height: 65px;
  align-items: center;
}

.contact .contact-content .row .info {
  margin-left: 30px;
}

.contact .contact-content .row i {
  font-size: 25px;
  color: #1e3551;
}

.contact .contact-content .info .head {
  font-weight: 500;
  color: #000;
}

.contact .contact-content .info .sub-title {
  color: #333;
}

.contact .right form .fields {
  display: flex;
}

.contact .right form .field,
.contact .right form .fields .field {
  height: 45px;
```

```
  width: 100%;
  margin-bottom: 15px;
}

.contact .right form .textarea {
  height: 80px;
  width: 100%;
}

.contact .right form .name {
  margin-right: 10px;
}

.contact .right form .field input,
.contact .right form .textarea textarea {
  height: 100%;
  width: 100%;
  border: 1px solid lightgrey;
  border-radius: 6px;
  outline: none;
  padding: 0 15px;
  font-size: 17px;
  font-family: "Poppins", sans-serif;
  transition: all 0.3s ease;
}

.contact .right form .field input:focus,
.contact .right form .textarea textarea:focus {
  border-color: #b3b3b3;
}

.contact .right form .textarea textarea {
  padding-top: 10px;
  resize: none;
}

.contact .right form .button-area {
  display: flex;
  align-items: center;
}

.right form .button-area button {
  color: #fff;
```

```
  display: block;
  width: 160px !important;
  height: 45px;
  outline: none;
  font-size: 18px;
  font-weight: 500;
  border-radius: 6px;
  cursor: pointer;
  flex-wrap: nowrap;
  background: #1e3551;
  border: 2px solid #1e3551;
  transition: all 0.3s ease;
}

.right form .button-area button:hover {
  color: #1e3551;
  background: none;
  animation: pulsate 1s ease-in-out;
}

/*  Social  */
.col-4 {
  background: #d8d8d8;
}

.social-menu ul {
  position: absolute;
  left: 20%;
  padding: 0;
  margin: 0;
  transform: translate(-50%, -50%);
  display: flex;
}

.social-menu ul li {
  list-style: none;
  margin: 0 15px;
}

.social-menu ul li .fa {
  font-size: 30px;
  line-height: 60px;
  transition: 0.6s;
```

```
  color: #000;
}

.social-menu ul li .fa:hover {
  color: #fff;
}

.social-menu ul li a {
  left: px;
  right: 12px;
  padding-top: 3px;
  position: relative;
  display: block;
  width: 30px;
  height: 30px;
  border-radius: 50%;
  background-color: #1e3551;
  text-align: center;
  transition: 0.6s;
  box-shadow: 0 5px 4px rgba(0, 0, 0, 0.5);
}

.social-menu ul li a:hover {
  transform: translate(0, -10px);
}

.social-menu ul li:nth-child(1) a:hover {
  background-color: #131418;
}

.social-menu ul li:nth-child(2) a:hover {
  background-color: #0a66c2;
}

.social-menu ul li:nth-child(3) a:hover {
  background-color: #e4405f;
}
.social-menu ul li:nth-child(4) a:hover {
  background-color: #1da1f2;
}

.social-menu ul li:nth-child(5) a:hover {
  background-color: #e33054;
```

```
}

.social-menu ul li:nth-child(6) a:hover {
  background-color: #fc4f08;
}

.fa-brands {
  color: #fff;
}

.fa-solid {
  color: #fff;
}

/*  Footer  */
footer {
  background: #111;
  padding: 6px 16px;
  color: #888c8d;
  text-align: center;
}

footer span a {
  color: #1e3551;
  text-decoration: none;
}

footer span a:hover {
  text-decoration: underline;
}

/*  Media Query  */
@keyframes pulsate {
  0% {
    box-shadow: 0 0 25px #888e8d, 0 0 50px #1e3551;
  }
}

@media (max-width: 1104px) {
  .about .about-content .left img {
    height: 350px;
    width: 350px;
  }
```

```
  section .title::after {
    bottom: -8px;
    font-size: 16px;
  }
}

@media (max-width: 991px) {
  .social-menu ul li a {
    left: 114px;
  }
}

@media (max-width: 947px) {
  .menu-btn {
    display: block;
    z-index: 999;
  }
  .menu-btn i.active:before {
    content: "\f00d";
  }
  .navbar .menu {
    position: fixed;
    height: 100vh;
    width: 100%;
    left: -100%;
    top: 0;
    background: #111;
    text-align: center;
    padding-top: 80px;
    transition: all 0.3s ease;
  }
  .navbar .menu.active {
    left: 0;
  }
  .navbar .menu li {
    display: block;
  }
  .navbar .menu li a {
    display: inline-block;
    margin: 20px 0;
    font-size: 25px;
  }
  .home .home-content .text-2 {
```

```
    font-size: 70px;
  }
  .home .home-content .text-3 {
    font-size: 35px;
  }
  .home .home-content a {
    font-size: 23px;
    padding: 10px 30px;
  }
  .max-width {
    max-width: 930px;
  }
  .about .about-content .column {
    width: 100%;
  }
  .about .about-content .left {
    display: flex;
    justify-content: center;
    margin: 0 auto 60px;
  }
  .about .about-content .right {
    flex: 100%;
  }
  .services .serv-content .card {
    width: calc(50% - 10px);
    margin-bottom: 20px;
  }
  .skills .skills-content .column,
  .contact .contact-content .column {
    width: 100%;
    margin-bottom: 35px;
  }
}

@media (max-width: 690px) {
  .max-width {
    padding: 0 23px;
  }
  .home .home-content .text-2 {
    font-size: 60px;
  }
  .home .home-content .text-3 {
    font-size: 32px;
```

```
  }
  .home .home-content a {
    font-size: 20px;
  }
  .services .serv-content .card {
    width: 100%;
  }
}

@media (max-width: 500px) {
  .home .home-content .text-2 {
    font-size: 50px;
  }
  .home .home-content .text-3 {
    font-size: 27px;
  }
  .about .about-content .right .text,
  .skills .skills-content .left .text {
    font-size: 19px;
  }
  .contact .right form .fields {
    flex-direction: column;
  }
  .contact .right form .name,
  .contact .right form .email {
    margin: 0;
  }
  .right form .error-box {
    width: 150px;
  }
  .scroll-up-btn {
    right: 15px;
    bottom: 15px;
    height: 38px;
    width: 35px;
    font-size: 23px;
    line-height: 38px;
  }
}
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Portfolio</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width" />
    <link rel='stylesheet' href='https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css'>
<link rel='stylesheet' href='https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.8.2/font/bootstrap-icons.css'>
<link rel='stylesheet'
href='https://fonts.googleapis.com/css2?family=Comfortaa:wght@300;400;500;6
00;700&family=Poppins:wght@100;300;400;500;600;700;800;900&family=Ub
untu:wght@300;400;500;700&display=swap"rel="stylesheet'>
<link rel='stylesheet'
href='https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.carou
sel.min.css'>
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
      <div class="scroll-up-btn">
        <i class="fas fa-angle-up"></i>
      </div>
      <!-- Header -->
      <nav class="navbar">
        <div class="max-width">

          <ul class="menu">
            <li><a href="#home" class="menu-
btn"><strong>Home</strong></a></li>
            <li><a href="#about" class="menu-
btn"><strong>About</strong></a></li>
            <li><a href="#qualification" class="menu-
btn"><strong>Qualification</strong></a></li>
            <li><a href="#skills" class="menu-
btn"><strong>Skills</strong></a></li>
            <li><a href="#projects" class="menu-
btn"><strong>Projects</strong></a></li>
            <li><a href="#contact" class="menu-
btn"><strong>Contact</strong></a></li>
          </ul>
```

```
        <div class="menu-btn">
          <i class="fas fa-bars"></i>
        </div>
      </div>
    </nav>

    <!-- Home -->
    <section class="home" id="home">
      <div class="max-width">
        <div class="home-content">
          <div class="text-1">Hello, Myself</div>
          <div class="text-2">Dilsha c p</div>
          <div class="text-3">And I'm an MCA Student <span
class="typing"></span></div>

        </div>
      </div>
    </section>

    <!--  About  -->
    <section class="about" id="about">
      <div class="max-width">
        <h2 class="title">About Me</h2>
        <div class="about-content">
          <div class="column left">
            <img src="dilsha.jpg" alt="Profile Image 626x626">
          </div>
          <div class="column right">
            <div class="text">I'm Dilsha c p <span class="typing-
2"></span></div>
            <p>I am a student at Rajagiri College of Social Sciences.</p>
            <br>
            <div class="text"></div>
          </div>
        </div>
      </div>
    </section>

    <!-- Services -->
    <section class="qualification" id="qualification">
      <div class="max-width">
        <h2 class="title">My Qualifcations</h2>
        <div class="serv-content">
```

```
        <div class="card">
          <div class="box">
            <i class="fas fa-user-secret"></i>
            <div class="text">UG</div>
            <p>Little Flower Collage Guruvayoor</p>
            <p>Physics : 81.3%</p>
          </div>
        </div>
        <div class="card">
          <div class="box">
            <i class="fas fa-user-secret"></i>
            <div class="text">Higher Secondary</div>
            <p>GHSS,Tirur</p>
            <p>Bio-Maths : 91%</p>
          </div>
        </div>
        <div class="card">
          <div class="box">
            <i class="fas fa-user-secret"></i>
            <div class="text">High School</div>
            <p>GBHSS, Tirur</p>
            <p>9 A+ and 1 A</p>
          </div>
        </div>
      </div>
    </div>
  </section>

  <!-- Skills -->
  <section class="skills" id="skills">
    <div class="max-width">
      <h2 class="title">My Skills</h2>
      <div class="skills-content">
        <div class="column left">


          <br>
          <div class="text">PROJECT</div>

          <p>
            <li class="project">Portfolio (HTML, CSS, js, Bootstraps)</li>
            <li class="project">Website ( HTML, CSS, JavaScript)</li>
```

```
          </p>

          <br>
          <div class="text">DEVELOPMENT SKILLS</div>

          <p>
           I'm familiar with HTML, CSS, JavaScript, Bootstrap, and other modern frameworks.
          </p>

         </div>
         <div class="column right">
          <div class="bars">
           <div class="info">
            <span>Python</span>
            <span>50%</span>
           </div>
           <div class="line python"></div>
          </div>
          <div class="bars">
           <div class="info">
            <span>HTML</span>
            <span>50%</span>
           </div>
           <div class="line html"></div>
          </div>
          <div class="bars">
           <div class="info">
            <span>CSS</span>
            <span>80%</span>
           </div>
           <div class="line css"></div>
          </div>
          <div class="bars">
           <div class="info">
            <span>JavaScript</span>
            <span>40%</span>
           </div>
           <div class="line js"></div>
          </div>
          <div class="bars">
           <div class="info">
            <span>Bootstraps</span>
```

```
            <span>60%</span>
          </div>
          <div class="line bootstraps"></div>
        </div>
      </div>
    </div>
  </div>
</section>

<!-- Projects -->
<section class="projects" id="projects">
  <div class="max-width">
    <h2 class="title">My Projects</h2>
    <div>Traffic Squad: Web application</div>
    <div>Mech Support: Web application</div>
    <div>Portfolio</div>
      </div>
    </div>
  </div>
</section>

<!-- Contact -->
<section class="contact" id="contact">
  <div class="max-width">
    <h2 class="title">Contact Me</h2>
    <div class="contact-content">
      <div class="column left">
        <div class="text">Get in Touch</div>
        <p>Feel free to get in touch with me. I am always open to discussing new projects, creative ideas or opportunities to be a part of your visions. Email me with any questions or inquiries. I'll happy to answer your questions and set up a meeting with you.</p>
        <div class="icons">

          <a href="#">
            <div class="row">
              <i class="fa-solid fa-user-large"></i>
              <div class="info">
                <div class="head">Name</div>
                <div  class="sub-title"><a  href="#"  style="text-decoration:  none; color: #333;"> Dilsha c p</a></div>
              </div>
            </div>
```

```
            </a>

            <div class="row">
              <i class="fa-solid fa-location-dot"></i>
              <div class="info">
                <div class="head"> Address</div>
                <div class="sub-title">Malappuram, Kerala</div>
              </div>
            </div>

            <div class="row">
              <i class="fa-solid fa-envelope"></i>
              <div class="info">
                <div class="head">Email</div>
                <div   class="sub-title"><a   href="mailto:#"   style="text-decoration:
none; color: #333;"> ddilsha372@gmail.com</a></div>
              </div>
            </div>

            <div class="row">
              <i class="bi bi-translate"></i>
              <div class="info">
                <div class="head">Language Known</div>
                <div class="sub-title">English, Malayalam, Hindi</div>
              </div>
            </div>

            <br>

            <!-- Social -->
            <div class="social-menu">
              <ul>
                <li><a href="#"><i class="fa-brands fa-github"></i></a></li>
                <li><a href="#"><i class="fa-brands fa-linkedin-in"></i></a></li>
                <li><a href="#"><i class="fa-brands fa-instagram"></i></a></li>
                <li><a href="#"><i class="fa-brands fa-twitter"></i></a></li>
                <li><a href="#" title="Get Educate with Us"><i class="fa-solid fa-
graduation-cap"></i></a></li>
              </ul>
            </div>
          </div>
        </div>
```

```
        <!-- Reach -->
        <div class="column right">
          <div class="text">Message me</div>
          <form action="#">
            <div class="fields">
              <div class="field name">
                <input type="text" placeholder="Your Name" required>
              </div>
              <div class="field email">
                <input type="email" placeholder="Your Email" required>
              </div>
            </div>
            <div class="field">
              <input type="text" placeholder="Subject" required>
            </div>
            <div class="field textarea">
              <textarea cols="30" rows="10" placeholder="Message.."
required></textarea>
            </div>
            <div class="button-area">
              <button type="submit">Send message</button>
            </div>
          </form>
        </div>
      </div>
    </div>
  </section>

  <!-- Footer -->
  <footer>
    <span>
      <a href="#"> Dilsha C P</a> | <span class="far fa-copyright"></span>
2024 All Rights Reserved. Privacy Policy
    </span>
  </footer>
  <script src='https://kit.fontawesome.com/3b57a2a2a7.js'></script>
<script src='https://code.jquery.com/jquery-3.5.1.min.js'></script>
<script
src='https://cdnjs.cloudflare.com/ajax/libs/typed.js/2.0.11/typed.min.js'></script>
<script
src='https://cdnjs.cloudflare.com/ajax/libs/waypoints/4.0.1/jquery.waypoints.min
.js'></script>
<script
```

```
src='https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/owl.carousel.min.
js'></script>
    <script src="script.js"></script>
  </body>
</html>
```

Output

My Skills
—What I Know ?—
PROJECT
Portfolio (HTML, CSS, js, Bootstraps)
Website (HTML, CSS, JavaScript)
DEVELOPMENT SKILLS
I'm familiar with HTML, CSS, JavaScript, Bootstrap, and other modern frameworks.
Python 50%
HTML 50%
CSS 80%
JavaScript 40%
Bootstraps 60%
My Projects
— What I did ? —
Traffic Squad: Web application
Mech Support: Web application
Portfolio
Contact Me
—Get in Touch—
Get in Touch
Feel free to get in touch with me. I am always open to discussing new projects, creative ideas or opportunities to be a part of your visions. Email me with any questions or inquiries. I'll happy to answer your questions and set up a meeting with you.
Name
Dilsha c p
Address
Malappuram, Kerala
Email
ddilsha372@gmail.com
Language Known
English, Malayalam, Hindi
Message me
Your Name
Your Email
Subject
Message..
Send message

Project

Online Time Table Generator PHP MYSQL

Db_conn.php

```
<?php
   $username ="root";
   $password = "";
   $server_name = "localhost";
   $db_name = "timetable";

   $conn = new mysqli($server_name , $username, $password, $db_name);

?>
```

Admin.php

```
<?php include('db_conn.php')?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>ADMIN PAGE</title>
   <style>
      body {
         font-family: Arial, sans-serif;
         margin: 0;
         padding: 0;
         background: linear-gradient(135deg, #FF6B6B, #FFE66D, #8DFF70,
#70FFED, #6D78FF); /* Colorful gradient background */
         color: #333; /* Text color */
      }
      h1 {
         text-align: center;
         margin-top: 30px;
      }
      .navigation {
         text-align: center;
         margin-top: 20px;
      }
      .navigation a {
         display: inline-block;
         margin: 0 10px;
```

```
            text-decoration: none;
            color: #fff;
            padding: 15px 30px;
            border-radius: 10px; /* Rounded corners */
            background: #4CAF50; /* Green background */
            transition: background 0.3s ease; /* Smooth hover transition */
            box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1); /* Box shadow */
            border: 2px solid transparent; /* Transparent border */
        }
        .navigation a:hover {
            background: #45a049; /* Darker green on hover */
        }
        .logo {
            text-align: center;
            margin-top: 20px;
        }
        img.logo-image {
            width: 200px; /* Adjust logo image size */
            border-radius: 10px; /* Rounded corners */
            box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1); /* Box shadow */
            border: 2px solid #4CAF50; /* Green border */
        }
    </style>
</head>
<body>
    <div class="logo">
        <img src="your_image_url_here" alt="Logo" class="logo-image">
    </div>
    <h1>Admin Panel</h1>
    <div class="navigation">
        <a href="addcourse.php">ADD COURSE</a>
        <a href="addinstructor.php">ADD INSTRUCTOR</a>
        <a href="timetablee.php">WEEKLY TIMETABLE</a>
    </div>
</body>
</html>
```

Addcourse.php

```
<?php
include("db_conn.php");

// Define variables and initialize them
```

```
$cs_id = $_POST["cs_id"];
$name = $_POST["name"];
$lecture_per_week = $_POST["lecture_per_week"];

$stmt = $conn->prepare("INSERT INTO course (cs_id, cs_name, lecture_per_week) VALUES (?, ?, ?)");

// Check if the prepare statement is successful
if ($stmt === false) {
    die("Error: " . $conn->error);
}

// Bind parameters with their types
$stmt->bind_param("isi", $cs_id, $name, $lecture_per_week);

// Execute the statement
if ($stmt->execute()) {
    echo "New record created successfully";
} else {
    echo "Error: " . $stmt->error;
}
echo"<br></br>";
echo "<a href='admin.php'>Back to Admin Page</a>";

// Close the statement and connection
$stmt->close();
$conn->close();
?>
```

Addinstructor.php

```
<?php
include("db_conn.php");

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Check if all required fields are set
    if (!isset($_POST["in_id"], $_POST["in_name"], $_POST["in_sub"])) {
        echo "All fields are required.";
        exit;
    }

    // Assign POST data to variables
    $in_id = $_POST["in_id"];
```

```
    $in_name = $_POST["in_name"];
    $in_sub = $_POST["in_sub"];

    // Prepare SQL statement
    $stmt = $conn->prepare("INSERT INTO instructor (in_id, in_name, in_sub)
VALUES (?, ?, ?)");

    // Bind parameters
    $stmt->bind_param("sss", $in_id, $in_name, $in_sub);

    // Execute the statement
    if ($stmt->execute()) {
        echo "New record created successfully";
    } else {
        echo "Error: " . $stmt->error;
    }

    // Close statement
    $stmt->close();
}
echo"<br></br>";
echo "<a href='admin.php'>Back to Admin Page</a>";

// Close connection
$conn->close();
?>
```

Timetale.php

```
<?php
// Include the database connection file
include("db_conn.php");


function generate_time_table($conn){
    // Fetching instructors and their assigned subjects
    $query = "SELECT instructor.in_id, instructor.in_name, instructor.in_sub,
course.cs_id, course.cs_name, course.lecture_per_week
            FROM instructor
            INNER JOIN course ON instructor.in_sub = course.cs_name";

    $que = mysqli_query($conn, $query);
```

```
    $rows = mysqli_num_rows($que);

    if($rows != 0){

        $subjects = array();

        while($row = mysqli_fetch_assoc($que)){
            array_push($subjects, $row);
        }

        $weekDays = array('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday');
        $weekTimeTable = array();

        for($i = 0; $i <= 4; $i++){
            $dayTimeTable = array();
            shuffle($subjects);
            $pointer = 0;

            // Define time slots
            $timeSlots = array(
                "09:00 - 10:00", "10:00 - 11:00", "11:00 - 11:15 (Interval)", "11:15 -
12:15",
                "12:15 - 13:15", "13:15 - 14:15(Lunch)", "14:15 - 15:15", "15:15 -
16:15"
            );

            for($j = 0; $j <= 7; $j++){
                try{
                    while($subjects[$pointer]['lecture_per_week'] === 0){
                        $pointer++;
                    }

                    if($j === 2 ){
                        array_push($dayTimeTable, array("time" => $timeSlots[$j],
"lecture" => "Interval"));
                    }
                    elseif ($j === 5) {
                        array_push($dayTimeTable, array("time" => $timeSlots[$j],
"lecture" => "Lunch"));
                    }
                    else{
                        array_push($dayTimeTable, array("time" => $timeSlots[$j],
"lecture" => $subjects[$pointer]));
```

```
                    $subjects[$pointer]['lecture_per_week']--;
                    if($pointer === count($subjects) - 1){
                        $pointer = 0;
                    }
                    else{
                        $pointer++;
                    }
                }
            }
            catch(OutOfBoundsException $e){
                array_push($dayTimeTable,     array("time"     =>     $timeSlots[$j],
"lecture" => "Empty"));
            }
        }
        $weekTimeTable[$weekDays[$i]] = $dayTimeTable;
    }
    return $weekTimeTable;
}
else{
    return false;
}
}

// Call the function with the database connection
$timetable = generate_time_table($conn);

// Display the generated timetable
foreach ($timetable as $day => $schedule) {
    echo "<h3>$day</h3>";
    echo "<table border='1'>";
    foreach ($schedule as $slot) {
        echo "<tr>";
        echo "<td>{$slot['time']}</td>";
        if ($slot['lecture'] == "Empty") {
            echo "<td colspan='2'>Empty</td>";
        } elseif ($slot['lecture'] == "Interval" || $slot['lecture'] == "Lunch") {
            echo "<td colspan='2'>{$slot['lecture']}</td>";
        } else {
            echo
"<td>{$slot['lecture']['cs_name']}</td><td>{$slot['lecture']['in_name']}</td>";
        }
        echo "</tr>";
    }
```

```
    echo "</table><br>";
}
echo"<br></br>";
echo "<a href='admin.php'>Back to Admin Page</a>";

?>
```

Output

New record created successfully

Back to Admin Page

New record created successfully

Back to Admin Page

Monday

09:00 - 10:00	WTL	ANAS
10:00 - 11:00	ASS	DHILJITH K BENNY
11:00 - 11:15 (Interval)	Interval	
11:15 - 12:15	OPERATIONAL RESEARCH	SABEEN GOVIND
12:15 - 13:15	JAVA	SHIJU
13:15 - 14:15(Lunch)	Lunch	
14:15 - 15:15	DAA	SUNU
15:15 - 16:15	JAVA LAB	NEETHU

Tuesday

09:00 - 10:00	OPERATIONAL RESEARCH	SABEEN GOVIND
10:00 - 11:00	JAVA	SHIJU
11:00 - 11:15 (Interval)	Interval	
11:15 - 12:15	DAA	SUNU
12:15 - 13:15	AI	KEERTHY
13:15 - 14:15(Lunch)	Lunch	
14:15 - 15:15	ASS	DHILJITH K BENNY
15:15 - 16:15	WTL	ANAS

Wednesday

09:00 - 10:00	AI	KEERTHY
10:00 - 11:00	ASS	DHILJITH K BENNY
11:00 - 11:15 (Interval)	Interval	
11:15 - 12:15	JAVA	SHIJU
12:15 - 13:15	WTL	ANAS
13:15 - 14:15(Lunch)	Lunch	
14:15 - 15:15	JAVA LAB	NEETHU
15:15 - 16:15	OPERATIONAL RESEARCH	SABEEN GOVIND

Thursday

09:00 - 10:00	JAVA LAB	NEETHU
10:00 - 11:00	DAA	SUNU
11:00 - 11:15 (Interval)	Interval	
11:15 - 12:15	JAVA	SHIJU
12:15 - 13:15	ASS	DHILJITH K BENNY
13:15 - 14:15(Lunch)	Lunch	
14:15 - 15:15	WTL	ANAS
15:15 - 16:15	OPERATIONAL RESEARCH	SABEEN GOVIND

Friday

09:00 - 10:00	AI	KEERTHY
10:00 - 11:00	DAA	SUNU
11:00 - 11:15 (Interval)	Interval	
11:15 - 12:15	JAVA	SHIJU
12:15 - 13:15	JAVA LAB	NEETHU
13:15 - 14:15(Lunch)	Lunch	
14:15 - 15:15	OPERATIONAL RESEARCH	SABEEN GOVIND
15:15 - 16:15	ASS	DHILJITH K BENNY

Showing rows 0 - 6 (7 total, Query took 0.0009 seconds.)

```
SELECT * FROM `instructor`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

	id	in_id	in_name	in_sub
Edit Copy Delete	NULL	206	NEETHU	JAVA LAB
Edit Copy Delete	NULL	204	SUNU	DAA
Edit Copy Delete	NULL	205	KEERTHY	AI
Edit Copy Delete	NULL	203	DHILJITH K BENNY	ASS
Edit Copy Delete	NULL	202	SHIJU	JAVA
Edit Copy Delete	NULL	201	SABEEN GOVIND	OPERATIONAL RESEARCH
Edit Copy Delete	NULL	207	ANAS	WTL

Showing rows 0 - 6 (7 total, Query took 0.0011 seconds.)

```
SELECT * FROM `course`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

				cs_id	cs_name	lecture_per_week
Edit	Copy	Delete		105	AI	4
Edit	Copy	Delete		104	DAA	6
Edit	Copy	Delete		103	ASS	6
Edit	Copy	Delete		102	JAVA	6
Edit	Copy	Delete		101	OPERATIONAL RESEARCH	6
Edit	Copy	Delete		106	JAVA LAB	4
Edit	Copy	Delete		107	WTL	4