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HTML and CSS

Program 1: 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>

  <style>
    .scroll-container {
      display:inline-flex;
      overflow-x: scroll;
      width: 100vw;
      height: 300px;
    }
    .scroll-item {
      width: 300px;
      height: 100%;
      margin-right: 20px;
      background-color: lightblue;
      scroll-snap-align: start;
    }
  </style>
  <title>Scrollable Container</title>
</head>
<body>
  <div class="scroll-container">
    <div class="scroll-item">Item 1</div>
    <div class="scroll-item">Item 2</div>
    <div class="scroll-item">Item 3</div>
    <div class="scroll-item">Item 4</div>
    <div class="scroll-item">Item 5</div>
    <div class="scroll-item">Item 6</div>
    <div class="scroll-item">Item 7</div>
    <div class="scroll-item">Item 8</div>
    <div class="scroll-item">Item 9</div>
    <div class="scroll-item">Item 10</div>
    <div class="scroll-item">Item 11</div>
    <div class="scroll-item">Item 12</div>
    <div class="scroll-item">Item 13</div>
    <div class="scroll-item">Item 14</div>
  </div>
</body>
</html>

```



Program 2. 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">
  <style>
    form {
```

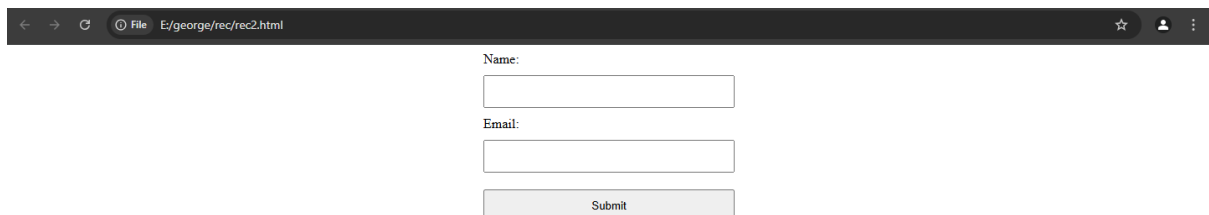
```

        width: 300px;
        margin: auto;
    }
    input[type="text"], input[type="email"], input[type="submit"] {
        width: 100%;
        padding: 10px;
        margin: 10px 0;
        box-sizing: border-box;
    }
</style>
<title>CSS Form</title>
</head>
<body>
    <form>
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>

        <input type="submit" value="Submit">
    </form>
</body>
</html>

```



The screenshot shows a web browser window with the address bar displaying 'File E:/george/rec/rec2.html'. The page content is a simple form with the following elements:

- A label 'Name:' followed by a text input field.
- A label 'Email:' followed by an email input field.
- A 'Submit' button at the bottom.

Program 3: 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">
    <style>
        img {

```

```

        transition: transform 0.5s ease;
        justify-content: center;
    }
    img:hover {
        transform: scale(1.5);
    }
</style>
<script>
    document.addEventListener('contextmenu', function (e) {
        e.preventDefault();
    });
</script>
<title>Image Zoom & Disable Right Click</title>
</head>
<body>
    
</body>
</html>

```

Output



Program 4: 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 Example</title>
</head>

```

```

<body>
  <audio controls style="justify-items: center;">
    <source src="C:\Users\cclab25\Downloads\IMG_2576.MOV" type="audio/mp3"
style="justify-items:center ;">
    Your browser does not support the audio element.
  </audio>
</body>
</html>

```

Output



Program 5: 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>

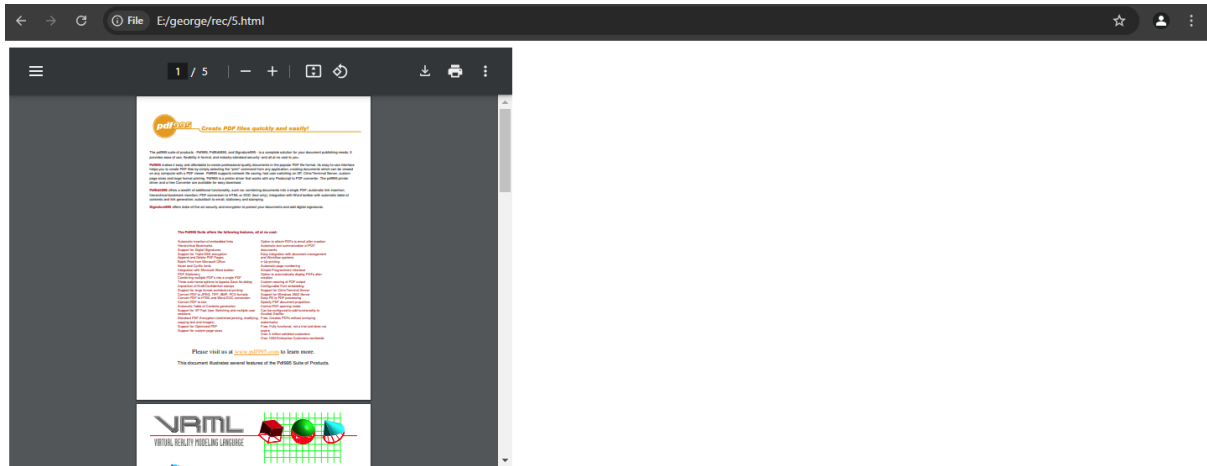
```



```

<embed src="C:\Users\cclab25\Downloads\file.pdf" width="600" height="500"
type="application/pdf">
</body>
</html>

```



Program 6 : How to implement a simple calculator using HTML?

Code

```

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

```

```

<input id="num1" type="number" placeholder="Enter number">
<input id="num2" type="number" placeholder="Enter number">
<button onclick="add()">Add</button>
<p id="result"></p>

<script>
  function add() {
    var num1 = document.getElementById("num1").value;
    var num2 = document.getElementById("num2").value;
    var result = parseInt(num1) + parseInt(num2);
    document.getElementById("result").textContent = "Result: " + result;
  }
</script>
</body>
</html>

```



Program 7: 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">
  <style>
    .comment-box {
      width: 100%;

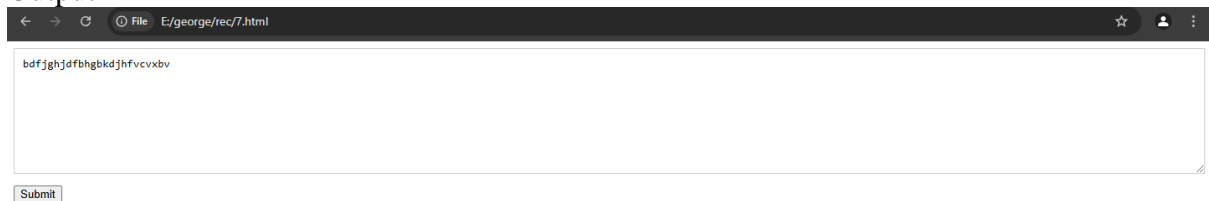
```

```

        height: 150px;
        border: 1px solid #ccc;
        padding: 10px;
        box-sizing: border-box;
    }
    .comment-button {
        margin-top: 10px;
    }
</style>
<title>Comment Box</title>
</head>
<body>
    <textarea class="comment-box" placeholder="Enter your comment here..."></textarea>
    <button class="comment-button">Submit</button>
</body>
</html>

```

Output



Program 8: 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">
    <style>
        .loader {
            border: 16px solid #f3f3f3;

```

```

        border-top: 16px solid #3498db;
        border-radius: 50%;
        width: 120px;
        height: 120px;
        animation: spin 2s linear infinite;
    }

    @keyframes spin {
        0% { transform: rotate(0deg); }
        100% { transform: rotate(360deg); }
    }
</style>
<title>CSS Loader</title>
</head>
<body>
    <div class="loader"></div>
</body>
</html>

```

Output



Program 9: Write a program to Redirect a particular section using HTML on the same page.

Code

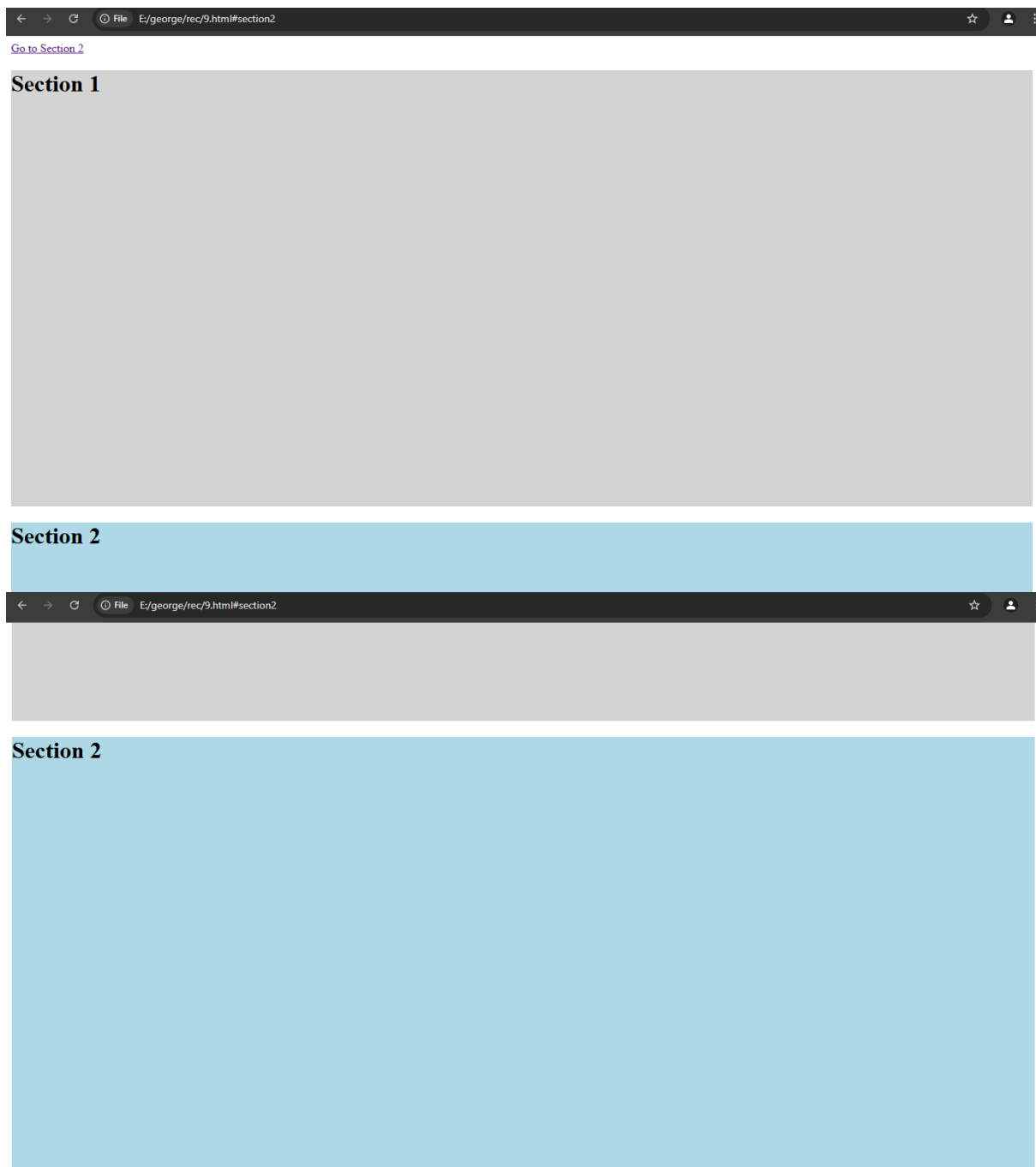
```

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

```

```
<a href="#section2">Go to Section 2</a>
<div id="section1" style="height: 600px; background-color: lightgrey;">
  <h1>Section 1</h1>
</div>
<div id="section2" style="height: 600px; background-color: lightblue;">
  <h1>Section 2</h1>
</div>
</body>
</html>
```

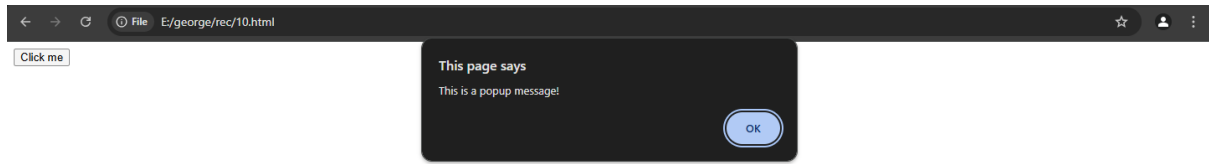
Output:



Program 10: Write a program to implement pop-up boxes available in JavaScript.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Popup Box</title>
</head>
<body>
  <button onclick="showPopup()">Click me</button>

  <script>
    function showPopup() {
      alert("This is a popup message!");
    }
  </script>
</body>
</html>
```



Javascript

Program 1: Write a JavaScript program that accepts two integers and displays the larger

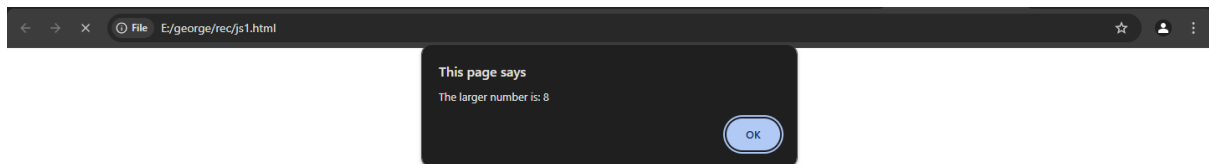
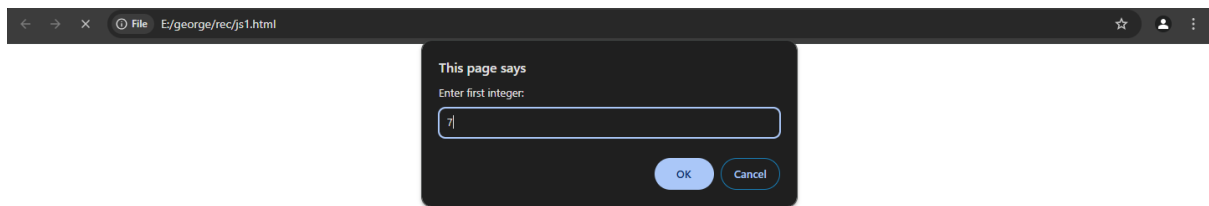
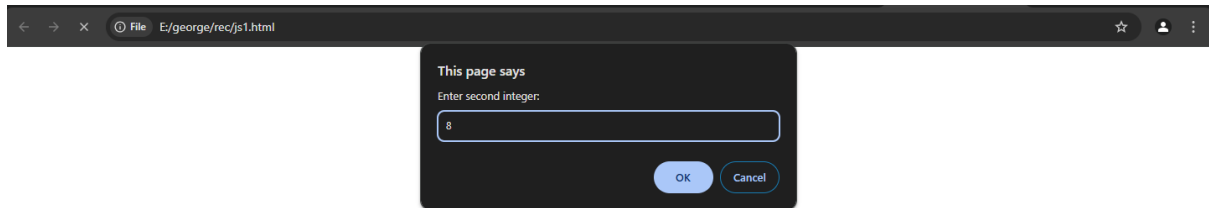
Code

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

<script>
```

```
let num1 = parseInt(prompt("Enter first integer:"));  
let num2 = parseInt(prompt("Enter second integer:"));  
let larger = num1 > num2 ? num1 : num2;  
alert("The larger number is: " + larger);  
</script>  
</body>  
</html>
```

Output:



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

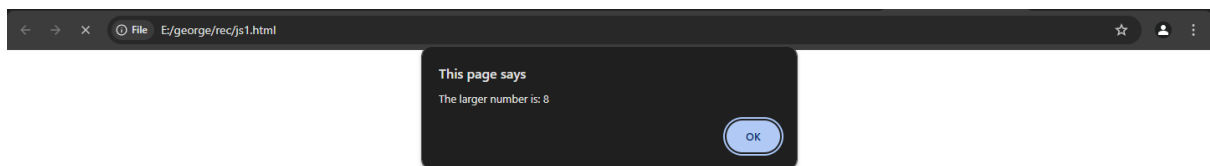
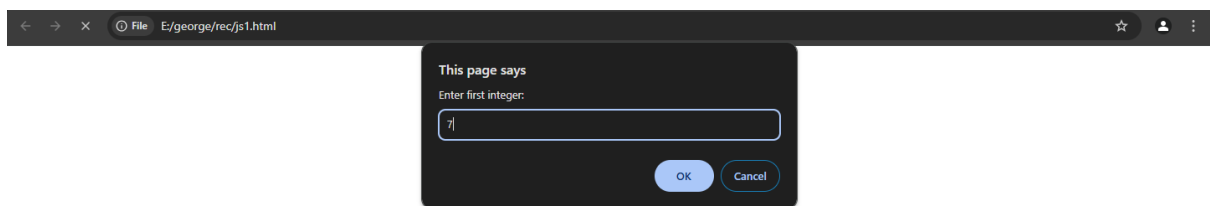
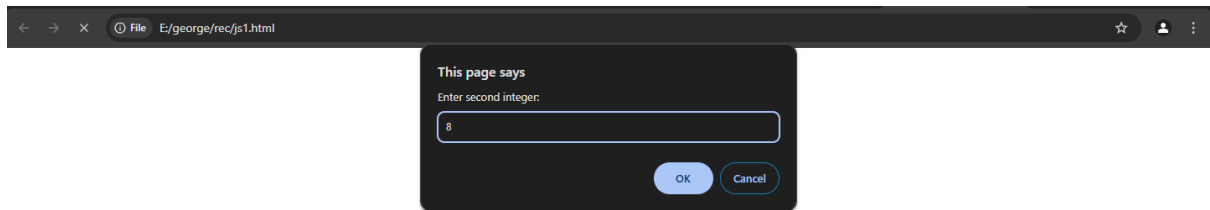
Program 2: Write a JavaScript program that accepts two integers and displays the larger

Code:

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

<script>
let num1 = parseInt(prompt("Enter first integer:"));
let num2 = parseInt(prompt("Enter second integer:"));
let larger = num1 > num2 ? num1 : num2;
alert("The larger number is: " + larger);
</script>
</body>
</html>
```

Output:



File E:/george/rec/js1.html

Program 3: 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>
</head>
<body>
  <input type="email" id="email" placeholder="Enter your email">
  <button onclick="validateEmail()">Validate</button>
  <p id="message"></p>

  <script>
    function validateEmail() {
      let email = document.getElementById('email').value;
      let message = document.getElementById('message');
      const pattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;
      if (email.match(pattern)) {
        message.textContent = "Valid email!";
        message.style.color = "green";
      } else {
        message.textContent = "Invalid email!";
        message.style.color = "red";
      }
    }
  </script>
</body>
</html>
```

```

    }
  }
</script>
</body>
</html>

```

Output:



Program 4: Write a JavaScript program to sort the items of an array.

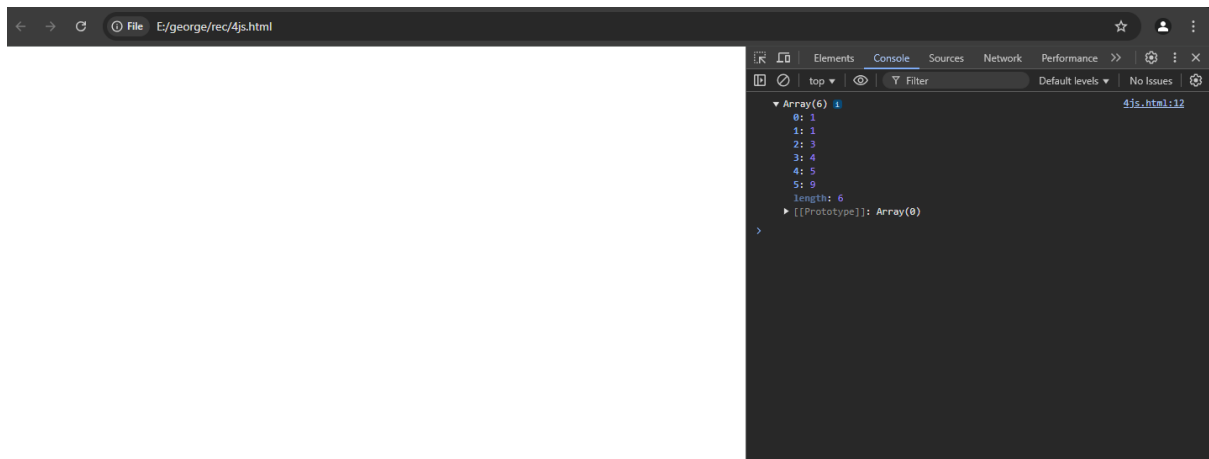
Code:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
<script>
let arr = [3, 1, 4, 1, 5, 9];
  arr.sort((a, b) => a - b);
  console.log(arr);
</script>
</body>
</html>

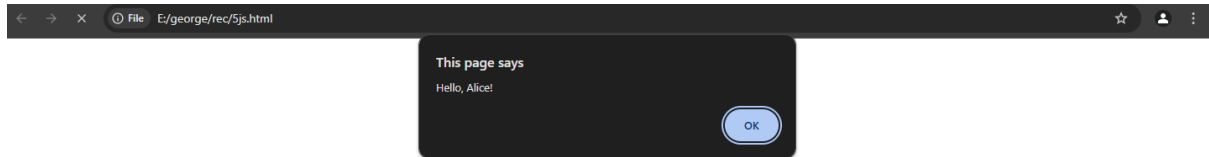
```

Output

**Program 5:** 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>Document</title>
</head>
<body>
  <script>
    function greet(name) {
      alert("Hello, " + name + "!");
    }
    greet("Alice");</script>
</body>
</html>
```

Output

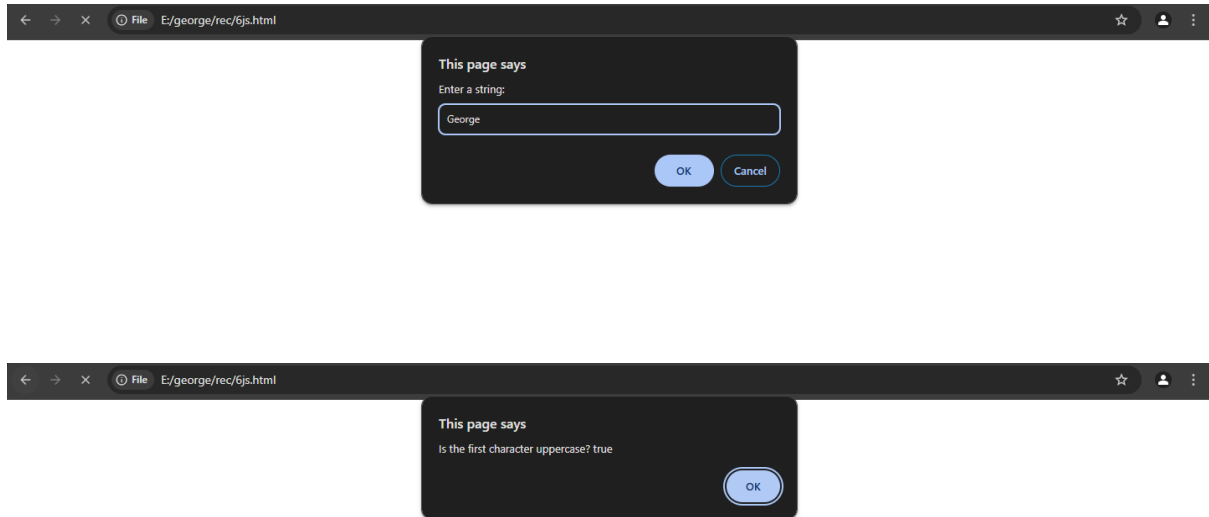


Program 6: Write a JavaScript program to test if the first character of a string is uppercase or not.

Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
let str = prompt("Enter a string:");
let isUpperCase = str[0] === str[0].toUpperCase();
alert("Is the first character uppercase? " + isUpperCase);
  </script>
</body>
</html>
```

Output



Program 7: 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>Document</title>
</head>
<body>
  <script>let decimal = parseInt(prompt("Enter a decimal number:"));
    let binary = decimal.toString(2);
    alert("Binary equivalent: " + binary);</script>
</body>
</html>
```

Output:



Program 8: 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>
    let date = new Date();
    document.getElementById("dateTime").textContent = date;
  </script>
</body>
</html>
```


Output

Fri Feb 28 2025 15:53:40 GMT+0530 (India
Standard Time)

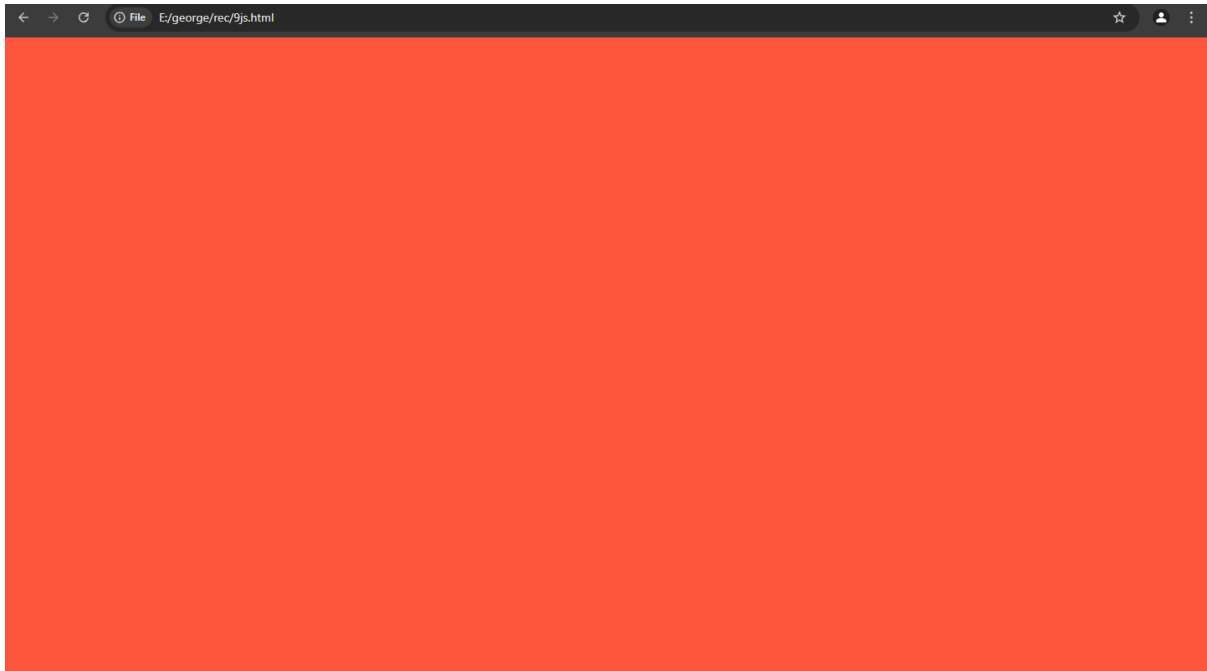
Program 9: Implement a JavaScript program to change the background color randomly.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
function changeBackgroundColor() {
  const colors = ["#FF5733", "#33FF57", "#3357FF", "#F9A825", "#8E24AA"];
  let randomColor = colors[Math.floor(Math.random() * colors.length)];
  document.body.style.backgroundColor = randomColor;
}
setInterval(changeBackgroundColor, 2000);
  </script>
```

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

Output:



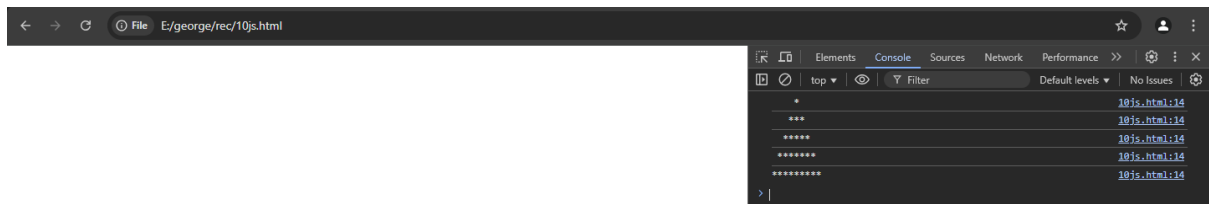
Program 10: Write a JavaScript program to construct the pyramid pattern, using a nested for loop.

Code

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Document</title>  
</head>  
<body>  
  <script>  
let rows = 5;  
for (let i = 1; i <= rows; i++) {  
  let str = " ".repeat(rows - i) + "*".repeat(i * 2 - 1);  
  console.log(str);  
}  
  </script>
```

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

Output



Program 11: 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>Document</title>
</head>
<body>
  <script>
    function solveQuadratic(a, b, c) {
      let discriminant = b * b - 4 * a * c;
      if (discriminant > 0) {
        let root1 = (-b + Math.sqrt(discriminant)) / (2 * a);
        let root2 = (-b - Math.sqrt(discriminant)) / (2 * a);
        alert("Roots are: " + root1 + " and " + root2);
      } else if (discriminant === 0) {
```

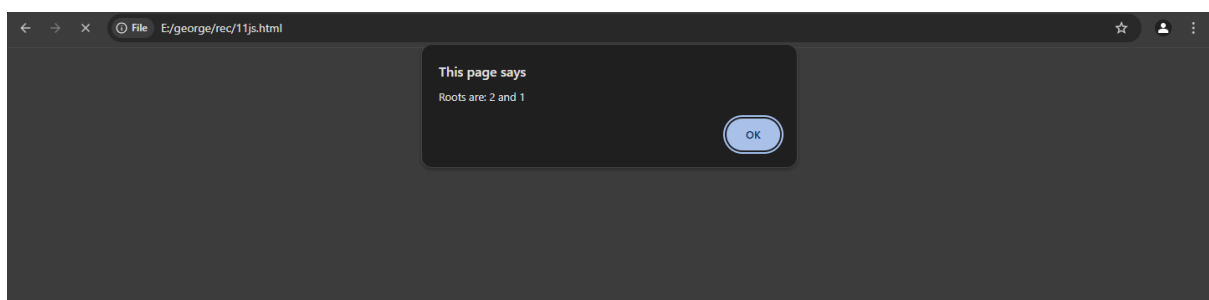
```

        let root = -b / (2 * a);
        alert("Root is: " + root);
    } else {
        alert("No real roots");
    }
}
solveQuadratic(1, -3, 2);

</script>
</body>
</html>

```

Output



Program 12: 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>Document</title>
</head>
<body>
    <script>
        function countVowels(str) {
            let vowels = "aeiouAEIOU";
            let count = 0;
            for (let char of str) {
                if (vowels.includes(char)) {
                    count++;
                }
            }
        }
    </script>

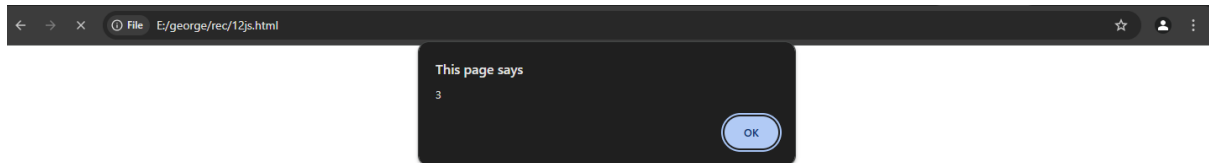
```

```

    }
  }
  return count;
}
alert(countVowels("Hello World"));
</script>
</body>
</html>

```

Output



Program 13: 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 Toggle</title>
</head>
<body>
  <input type="password" id="password" placeholder="Enter password">
  <button onclick="togglePassword()">Toggle</button>

  <script>
    function togglePassword() {
      let passwordField = document.getElementById('password');
      if (passwordField.type === "password") {
        passwordField.type = "text";

```

```

        } else {
            passwordField.type = "password";
        }
    }
</script>
</body>
</html>

```

Output



JSON

Program 1: Write a program to display student details (name, age, grade) using JSON.

Code

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Details</title>
</head>
<body>
    <h1>Student Details</h1>
    <div id="student-details"></div>

```

```

<script>
  // Creating a JSON object with student details
  const student = {
    "name": "John Doe",
    "age": 20,
    "grade": "A"
  };

  // Displaying student details
  document.getElementById("student-details").innerHTML = `
    <p><strong>Name:</strong> ${student.name}</p>
    <p><strong>Age:</strong> ${student.age}</p>
    <p><strong>Grade:</strong> ${student.grade}</p>
  `;
</script>
</body>
</html>

```

Output

Student Details

Name: John Doe

Age: 20

Grade: A

Program 2: Write a web application using JavaScript and HTML that takes a city name as input from the user, fetches the weather data from a public API (such as OpenWeatherMap), retrieves the JSON response, and displays the weather details including temperature, weather condition, humidity, and wind speed on the webpage.

Code

```

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

  <!-- Input field to enter city name -->
  <input type="text" id="city" placeholder="Enter City Name">

```

```

<button onclick="getWeather()">Get Weather</button>

<!-- Displaying weather details -->
<div id="weather-details"></div>

<script>
  // API Key for OpenWeatherMap (replace with your actual API key)
  const apiKey = "YOUR_API_KEY";

  // Function to fetch and display weather details
  async function getWeather() {
    const cityName = document.getElementById("city").value;
    if (!cityName) {
      alert("Please enter a city name.");
      return;
    }

    // API URL with the city name and API key
    const apiURL =
`https://api.openweathermap.org/data/2.5/weather?q=${cityName}&appid=${apiKey}&units
=metric`;

    try {
      // Fetching data from OpenWeatherMap API
      const response = await fetch(apiURL);
      const data = await response.json();

      // Checking if the response contains valid data
      if (data.cod !== 200) {
        document.getElementById("weather-details").innerHTML = "<p>City not
found. Please try again.</p>";
        return;
      }

      // Extracting weather details from the response
      const temperature = data.main.temp;
      const weatherCondition = data.weather[0].description;
      const humidity = data.main.humidity;
      const windSpeed = data.wind.speed;

      // Displaying the weather details on the page
      document.getElementById("weather-details").innerHTML = `
        <h2>Weather in ${cityName}</h2>
        <p><strong>Temperature:</strong> ${temperature}°C</p>
        <p><strong>Condition:</strong> ${weatherCondition}</p>
        <p><strong>Humidity:</strong> ${humidity}%</p>
        <p><strong>Wind Speed:</strong> ${windSpeed} m/s</p>
      `;
    }
  }

```



```

    } catch (error) {
      // Handling errors
      document.getElementById("weather-details").innerHTML = "<p>Failed to fetch
weather data. Please try again later.</p>";
    }
  }
</script>
</body>
</html>

```

Output



PHP

Program 1: Write a PHP program to check whether a given number is Prime or not.

Code

```

<?php
function isPrime($num) {
  if ($num <= 1) {
    return false;
  }
  for ($i = 2; $i <= sqrt($num); $i++) {
    if ($num % $i == 0) {
      return false;
    }
  }
  return true;
}

```

```

$number = 29; // You can change the number to test
if (isPrime($number)) {
    echo "$number is a prime number.";
} else {
    echo "$number is not a prime number.";
}
?>

```

Output



Program 2: Write a PHP program to illustrate Cookies.

Code

```

<?php
// Setting a cookie
setcookie("user", "John Doe", time() + (86400 * 30), "/"); // Cookie lasts for 30 days

// Checking if the cookie is set
if(isset($_COOKIE["user"])) {
    echo "Hello " . $_COOKIE["user"] . "! Welcome back!";
} else {
    echo "Cookie is not set!";
}
?>

```

Output



Program 3: Check whether a year is a leap year or not by inserting a year in PHP.

Code

```
<?php
function isLeapYear($year) {
    if (($year % 4 == 0 && $year % 100 != 0) || ($year % 400 == 0)) {
        return true;
    }
    return false;
}

$year = 2024; // You can change the year to test
if (isLeapYear($year)) {
    echo "$year is a leap year.";
} else {
    echo "$year is not a leap year.";
}
```

?>

Output



Program 4: Write a program to Implement static properties in PHP.

Code

```
<?php
class MyClass {
    public static $counter = 0;

    public function incrementCounter() {
        self::$counter++;
    }
}
```

```
$obj1 = new MyClass();
$obj1->incrementCounter();
```

```
$obj2 = new MyClass();
$obj2->incrementCounter();
```

```
echo "Counter value: " . MyClass::$counter; // Output will be 2
?>
```

Output



Program 5: Write a PHP program to use the global keyword to access a global variable from within a function.

Code

```
<?php
$x = 10; // Global variable

function add() {
    global $x;
    $x = $x + 5; // Modifies the global variable $x
}

add();
echo "The value of x is: " . $x; // Output will be 15
?>
```

Output



Program 6: 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

```
<?php
// Set a cookie with current date/time
if (!isset($_COOKIE["last_visited"])) {
    setcookie("last_visited", date("Y-m-d H:i:s"), time() + (86400 * 30), "/"); // 30 days
    expiration
    echo "Welcome, this is your first visit!";
} else {
    echo "Last visited on: " . $_COOKIE["last_visited"];
    setcookie("last_visited", date("Y-m-d H:i:s"), time() + (86400 * 30), "/"); // Update the
    cookie
}
?>
```

Output

Welcome, this is your first visit!

Program 7: Write a PHP program to create an array and store 10 numbers 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.

Code

```
<?php
$array = [10, 20, 20, 30, 40, 50, 10, 60, 70, 80];
```

```
// 1. Display contents using foreach loop
echo "Array contents: <br>";
foreach ($array as $key => $value) {
    echo "Key: $key, Value: $value<br>";
}
```

```
// 2. Display the array in sorted order
```

```
sort($array);
echo "Sorted Array: <br>";
print_r($array);
echo "<br>";

// 3. Display the array without duplicate elements
$array = array_unique($array);
echo "Array without duplicates: <br>";
print_r($array);
echo "<br>";

// 4. Remove the last element and display
array_pop($array);
echo "Array after removing the last element: <br>";
print_r($array);
echo "<br>";

// 5. Display the array in reverse order
$reversedArray = array_reverse($array);
echo "Reversed Array: <br>";
print_r($reversedArray);
echo "<br>";

// 6. Search for an element in the given array
$search = 30;
if (in_array($search, $array)) {
    echo "$search is found in the array.";
} else {
    echo "$search is not found in the array.";
}
?>
```

Output

Array contents:

Key: 0, Value: 10

Key: 1, Value: 20

Key: 2, Value: 20

Key: 3, Value: 30

Key: 4, Value: 40

Key: 5, Value: 50

Key: 6, Value: 10

Key: 7, Value: 60

Key: 8, Value: 70

Key: 9, Value: 80

Sorted Array:

Array ([0] => 10 [1] => 10 [2] => 20 [3] => 20 [4] => 30 [5] => 40 [6] => 50 [7] => 60 [8] => 70 [9] => 80)

Array without duplicates:

Array ([0] => 10 [2] => 20 [4] => 30 [5] => 40 [6] => 50 [7] => 60 [8] => 70 [9] => 80)

Array after removing the last element:

Array ([0] => 10 [2] => 20 [4] => 30 [5] => 40 [6] => 50 [7] => 60 [8] => 70)

Reversed Array:

Array ([0] => 70 [1] => 60 [2] => 50 [3] => 40 [4] => 30 [5] => 20 [6] => 10)

30 is found in the array.

Program 8: Write the PHP script to send an email.

Code

```
<?php
$to = "recipient@example.com"; // Recipient's email
$subject = "Test Email";
```

```
$message = "Hello, this is a test email from PHP script.";
$headers = "From: sender@example.com";

if (mail($to, $subject, $message, $headers)) {
    echo "Email sent successfully!";
} else {
    echo "Email failed to send.";
}
?>
```

Output

Email sent successfully!

Program 9: Create a web app using AJAX and PHP to check if a number is an Armstrong number, displaying the result without reloading the page.

Code

Html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Armstrong Number Check</title>
  <script>
    function checkArmstrong() {
      var number = document.getElementById("number").value;
      var xhr = new XMLHttpRequest();
      xhr.open("POST", "9.php", true);
      xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
      xhr.onload = function() {
        document.getElementById("result").innerHTML = xhr.responseText;
      }
      xhr.send("number=" + number);
    }
  </script>
</head>
<body>
  <h1>Armstrong Number Check</h1>
  <input type="number" id="number" placeholder="Enter number">
  <button onclick="checkArmstrong()">Check</button>
  <div id="result"></div>
</body>
</html>

```

Php

```

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $number = $_POST['number'];
  $sum = 0;
  $temp = $number;
  $numDigits = strlen($number);

  while ($temp != 0) {
    $digit = $temp % 10;
    $sum += pow($digit, $numDigits);
    $temp = (int)($temp / 10);
  }

  if ($sum == $number) {
    echo "$number is an Armstrong number.";
  } else {
    echo "$number is not an Armstrong number.";
  }
}
?>

```

Output**Armstrong Number Check**

125 is not an Armstrong number.

Program 10: Write a PHP program to implement MySQL databases with CRUD operations.

Code

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

```

$password = "";
$dbname = "test";

$conn = new mysqli($servername, $username, $password, $dbname);

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

$sql = "CREATE TABLE IF NOT EXISTS users (
    id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(30) NOT NULL,
    email VARCHAR(50)
)";
$conn->query($sql);

function createUser($username, $email) {
    global $conn;
    $sql = "INSERT INTO users (username, email) VALUES ('$username', '$email')";
    if ($conn->query($sql) === TRUE) {
        echo "New record created successfully<br>";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

function readUsers() {
    global $conn;
    $sql = "SELECT id, username, email FROM users";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        while($row = $result->fetch_assoc()) {
            echo "id: " . $row["id"]. " - Name: " . $row["username"]. " - Email: " . $row["email"].
"<br>";
        }
    } else {
        echo "0 results<br>";
    }
}

function updateUser($id, $newEmail) {
    global $conn;
    $sql = "UPDATE users SET email='$newEmail' WHERE id=$id";
    if ($conn->query($sql) === TRUE) {
        echo "Record updated successfully<br>";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

```

```

    }
}

function deleteUser($id) {
    global $conn;
    $sql = "DELETE FROM users WHERE id=$id";
    if ($conn->query($sql) === TRUE) {
        echo "Record deleted successfully<br>";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

createUser("John Doe", "john@example.com");
readUsers();
updateUser(1, "john.doe@example.com");
deleteUser(1);

$conn->close();
?>

```

Output

```

New record created successfully
id: 1 - Name: John Doe - Email: john@example.com
Record updated successfully
Record deleted successfully

```

Laravel

Program 1: Program to illustrate the workings of a simple Laravel web application.

Code

```
<?php
```

```
use Illuminate\Support\Facades\Route;
```

```
use App\Http\Controllers\account;
```

```
use App\Http\Controllers\UserDetailsController;
```

```
Route::get('/', function () {
```

```
    return view('index');
```

```
});
```

```
Route::get('/login',function(){
```

```
    return view('login');
```

```
});
```

```
Route::get('/register',function(){
```

```
    return view('register');
```

```
});
```

```
Route::post('/register/control', [account::class, 'register']);
```

```
Route::post('/login/contol', [account::class, 'login']);
```

```
Route::post('/logout', [account::class, 'logout']);
```

```
Route::get('/userdetail', function(){
```

```
    return view('userdetail');
```

```
});
```

```
Route::get('user/details', [UserDetailsController::class, 'showDetailsForm'])->
```

```
>name('user.details');
```

```
Route::post('user/details/save', [UserDetailsController::class, 'saveDetails'])->
```

```
>name('user.details.save');
```

```
Route::get('/dashboard', function(){  
    return view('dashboard');  
});  
Route::get('/logout', function(){  
    return view('logout');  
});  
Route::get('/userdetail', function(){  
    return view('userdetail');  
});
```

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="utf-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1">  
  
    <!-- magnific popup css link -->  
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/magnific-  
popup.js/1.1.0/magnific-popup.min.css">  
  
    <!-- font awesome file link -->  
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/5.15.1/css/all.min.css">  
  
    <!-- bootstrap file link -->  
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-  
bootstrap/4.5.3/css/bootstrap.min.css">  
  
    <!-- custom css file link -->  
    <link rel="stylesheet" href="style.css">
```



```
<style>@import
url('https://fonts.googleapis.com/css2?family=Exo+2:ital,wght@0,200;0,300;0,400;0,500;0,
600;1,300;1,400;1,500&display=swap');
```

```
:root{
  --orange:#ff7a00;
}
```

```
*{
  margin:0; padding:0;
  box-sizing: border-box;
  transition:all .2s linear;
  text-transform: capitalize;
  font-family: 'Exo 2', sans-serif;
}
```

```
html{
  font-size: 70%;
  scroll-behavior: smooth;
}
```

```
body{
  overflow-x: hidden;
}
```

```
.heading{
  font-size: 5rem;
  text-align: center;
  letter-spacing: 1.7rem;
  color:#444;
```

```
margin:2rem 0;
padding-top: 6rem;
text-decoration: underline;
text-decoration-style: solid;
text-decoration-color: var(--orange);
text-underline-offset:-1.4rem;
}

.header{
display: flex;
align-items: center;
justify-content: space-between;
width:100%;
background:#fff;
z-index: 100;
padding:1rem 2rem;
box-shadow: 0 .2rem .5rem rgba(0,0,0,.3);
}

.header .logo img{
height: 4rem;
}

.header nav ul{
list-style-type: none;
display: flex;
align-items: center;
justify-content: space-around;
margin:0; padding:0;
```

```
width: auto;  
}
```

```
.header nav ul li{  
margin: 0 1.5rem;  
}
```

```
.header nav ul li a{  
font-size: 3rem;  
color:#666;  
}
```

```
.header nav ul li a:hover{  
color:#000;  
text-decoration: none;  
}
```

```
.header .fa-bars{  
font-size: 3.5rem;  
color:#666;  
cursor: pointer;  
display: none;  
}
```

```
.home .hero{  
min-height: 60vh;  
background: url(../images/bg-image.jpg) no-repeat;  
background-size: cover;
```

```
background-position: center;
display: flex;
align-items: center;
}
```

```
.home .row{
margin:0;
}
```

```
.home .hero .text1{
font-size: 6rem;
width:45rem;
background:#fff;
padding:1rem;
text-align: center;
opacity: .8;
}
```

```
.home .hero .text2{
font-size: 4rem;
width:35rem;
background:var(--orange);
padding:1rem;
text-align: center;
opacity: .8;
margin-top: 1rem;
color:#fff;
}
```

```
.home .counting{  
  min-height: 40vh;  
  padding:2rem 0;  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  flex-wrap: wrap;  
}
```

```
.home .counting .box{  
  margin: 2rem 4rem;  
  text-align: center;  
}
```

```
.home .counting .box .count{  
  font-size: 8rem;  
  color:#444;  
}
```

```
.home .counting .box h3{  
  font-size: 9rem;  
  color:var(--orange);  
}
```

```
.about{  
  min-height: 100vh;  
  padding-bottom: 3rem;  
}
```

```
.about .image{  
  padding:2rem;  
}
```

```
.about .image img{  
  height:45rem;  
  object-fit: cover;  
  box-shadow: 2.5rem 2.5rem 0 1rem var(--orange);  
}
```

```
.about .info{  
  padding:2rem;  
  margin-top: 3rem;  
}
```

```
.about .info h2{  
  color:var(--orange);  
  font-size: 3rem;  
}
```

```
.about .info p{  
  font-size: 1.4rem;  
  color:#444;  
  margin:2rem 0;  
}
```

```
.about .info .icons a{  
  font-size: 2rem;
```

```
height: 4rem;  
width:4rem;  
line-height: 4rem;  
text-align: center;  
background:#333;  
color:#fff;  
border-radius: .5rem;  
margin-right: 1rem;  
text-decoration: none;  
}
```

```
.about .info .icons a:hover{  
  background:var(--orange);  
}
```

```
.service{  
  min-height: 100vh;  
}
```

```
.service .box-container{  
  width:90%;  
  display: flex;  
  justify-content: center;  
  flex-wrap: wrap;  
}
```

```
.service .box-container .box{  
  height:25rem;  
  width:25rem;
```

```
box-shadow: 0 .2rem .5rem rgba(0,0,0,.3);  
border-left: .5rem solid var(--orange);  
border-right: .5rem solid var(--orange);  
border-radius: .5rem;  
text-align: center;  
padding-top: 6rem;  
margin: 2rem 3rem;  
}
```

```
.service .box-container .box .fas{  
  color: var(--orange);  
  font-size: 5rem;  
}
```

```
.service .box-container .box p{  
  color: #333;  
  font-size: 1.1rem;  
  margin: 2rem 0;  
}
```

```
.project{  
  min-height: 100vh;  
  background: #333;  
}
```

```
.project .heading{  
  color: #fff;  
}
```



```
.project .box-container{  
  display: flex;  
  justify-content: center;  
  flex-wrap: wrap;  
}
```

```
.project .box-container .box{  
  height:20rem;  
  width:30rem;  
  border-radius: .5rem;  
  margin:2rem;  
  overflow: hidden;  
  box-shadow: 0 .3rem .5rem #000;  
}
```

```
.project .box-container .box img{  
  height:100%;  
  width:100%;  
  object-fit: cover;  
}
```

```
.project .box-container .box:hover img{  
  transform: scale(1.3);  
}
```

```
.contact{  
  min-height: 100vh;  
}
```

```
.contact-box-container{  
  width:93%;  
  display: flex;  
  justify-content: center;  
  flex-wrap: wrap;  
}
```

```
.contact-box-container .contact-box{  
  height:15rem;  
  flex:1 0 30rem;  
  margin:2rem;  
  box-shadow: 0 .3rem .5rem rgba(0,0,0,.2);  
  border-radius: .5rem;  
  text-align: center;  
  padding-top: 4rem;  
}
```

```
.contact-box-container .contact-box i{  
  color:var(--orange);  
  font-size: 5rem;  
}
```

```
.contact-box-container .contact-box h3{  
  font-size: 2.8rem;  
  color:#444;  
  margin:2rem 0;  
}
```

```
.contact .form-container{  
  width:90%;  
  box-shadow: 0 .3rem .5rem rgba(0,0,0,.2);  
  border-radius: .5rem;  
  padding:1rem 3rem;  
  margin-bottom: 2rem;  
}  
  
.contact .form-container form input, textarea{  
  height:4.5rem;  
  padding:0 1rem;  
  margin:2rem 0;  
  font-size: 2.5rem;  
  box-shadow: 0 .3rem .5rem rgba(0,0,0,.2);  
  border:none;  
  outline: none;  
  color:#333;  
}  
  
.contact .form-container form .inputBox{  
  display: flex;  
  justify-content: space-between;  
}  
  
.contact .form-container form input[type="text"]{  
  width:49%;  
}  
  
.contact .form-container form input[type="email"]{
```

```
width:100%;  
}
```

```
.contact .form-container form textarea{  
width:100%;  
height:20rem;  
padding:1rem;  
resize: none;  
overflow-y: auto;  
}
```

```
.contact .form-container form input[type="submit"]{  
background:var(--orange);  
width:15rem;  
color:#fff;  
font-size: 3rem;  
}
```

```
.contact .form-container form input[type="submit"]:hover{  
opacity:.8;  
}
```

```
.footer{  
background:#333;  
text-align: center;  
}
```

```
.footer .row{  
width:100%;
```

```
margin-left: 0;  
padding:1rem;  
}
```

```
.footer .row .col-md-3{  
margin:1rem 0;  
}
```

```
.footer h2{  
font-size: 3.5rem;  
color:#fff;  
}
```

```
.footer p{  
font-size: 2.2rem;  
color:#ccc;  
}
```

```
.footer .list{  
display: flex;  
flex-flow: column;  
}
```

```
.footer .list a{  
color:#ccc;  
font-size: 2.7rem;  
}
```

```
.footer .letter p{
```

```
font-size: 3rem;  
}
```

```
.footer .letter input[type="email"]{  
  outline: none;  
  border: none;  
  background:none;  
  padding:0 1rem;  
  color:#fff;  
  height:3rem;  
  width:100%;  
  border:.1rem solid #fff;  
  font-size: 2.5rem;  
}
```

```
.footer .letter input[type="submit"]{  
  outline: none;  
  border: none;  
  background:#fff;  
  margin:1rem 0;  
  width:10rem;  
  font-size: 2.6rem;  
}
```

```
.footer .letter input[type="submit"]:hover{  
  background:var(--orange);  
  color:#fff;  
}
```

```
.footer .credit{  
  width: 100%;  
  text-align: center;  
  color:#fff;  
  font-size: 3rem;  
  padding:1rem 0;  
  margin:1rem 0;  
  margin-bottom: 0;  
  border-top: .1rem solid #aaa;  
  letter-spacing: .2rem;  
}
```

```
.footer .credit span{  
  color:var(--orange);  
}
```

```
.fa-times{  
  transform: rotate(180deg);  
}
```

```
/* media queries */
```

```
@media (max-width:768px){
```

```
  html{  
    font-size: 50%;  
  }
```

```
.header .fa-bars{  
  display: block;
```

```
}
```

```
.header nav{  
  position: fixed;  
  top:6rem; right: -120%;  
  height:calc(100vh - 6rem);  
  width:100vw;  
  background: rgba(0,0,0,.5);  
  z-index: 1000;  
  border-top: .1rem solid rgba(0,0,0,.3);  
}
```

```
.header nav ul{  
  height: 100%;  
  width:33rem;  
  background:#fff;  
  flex-flow: column;  
  justify-content: center;  
  float: right;  
}
```

```
.header nav ul li{  
  margin:1rem 0;  
}
```

```
.header nav ul li a{  
  display: block;  
  padding:.5rem 0;  
  border: .1rem solid rgba(0,0,0,.3);
```



```
width:25rem;
border-radius: 5rem;
text-align: center;
}

.header nav ul li a:hover{
background:#333;
color:#fff;
}

.header .nav-toggle{
right: 0%;
}

}

@media (max-width:400px){
.home .hero .text1{
font-size: 3.5rem;
width: 33rem;
}
.home .hero .text2{
font-size: 2.5rem;
width: 30rem;
}
}

.textt p h1{
font-size: medium;
}</style>
```

Design

```

<title>Architecturala</title>

</head>

<body>

<!-- header section starts -->

<header class="header fixed-top">

<a href="#" class="logo"></a>

<nav>
  <ul>
    <li><a href="#home">home</a></li>
    <li><a href="#about">about</a></li>
    <li><a href="#service">services</a></li>
    <li><a href="#project">projects</a></li>
    <li><a href="#contact">contact</a></li>
    @if(session('user_name'))
    <li><a href="#">Hello, {{ session('user_name') }}!</a></li>
    <li><a href="/logout">logout</a></li>
    @else
    <li><a href="/login">login</a></li>
    @endif
  </ul>
</nav>

<div class="fas fa-bars"></div>

```

```
</header>

<!-- header section ends -->

<!-- home section starts -->

<section id="home" class="home container-fluid p-0">

<div class="row hero">
  <div class="col pl-3 ml-sm-5 p-0">
    <h1 class="text1">Interior Design</h1>
    <h3 class="text2">Architechture services</h3>
  </div>
</div>

<div class="counting">

<div class="box">
  <h1 class="count" data-count="1200">1200+</h1>
  <h3>working hours</h3>
</div>

<div class="box">
  <h1 class="count" data-count="15">15+</h1>
  <h3>awards</h3>
</div>

<div class="box">
  <h1 class="count" data-count="1000">1000+</h1>
```

```
<h3>clients</h3>
</div>

<div class="box">
  <h1 class="count" data-count="840">840+</h1>
  <h3>projects</h3>
</div>

</div>

</section>
```

```
<!-- home section ends -->
```

```
<!-- about section starts -->
```

```
<section id="about" class="about container">
```

```
<h1 class="heading">about us</h1>
```

```
<div class="row align-items-center">
```

```
<div class="col-md-6 info text">
```

```
<h2>the best Interior Design in the city</h2>
```

<p>At [Your Company Name], we believe that great design is more than just aesthetics—it's about creating spaces that inspire, function seamlessly, and enhance everyday living. As a team of architects and interior designers, we specialize in crafting timeless structures and interiors that reflect elegance, innovation, and sustainability.

From architectural planning to interior detailing, we take a holistic approach to design, ensuring that every space we create is not only visually striking but also comfortable, practical, and in harmony with its surroundings. Whether it's a modern home, a commercial space, or a luxury interior project, we blend creativity with functionality to bring your vision to life.

With years of experience, a passion for design, and a commitment to quality, we turn ideas into reality—one thoughtfully designed space at a time.

Let's design something extraordinary together.</p>

```
<div class="icons">
```

```
<a href="#" class="fab fa-facebook-f"></a>
```

```
<a href="#" class="fab fa-twitter"></a>
```

```
<a href="#" class="fab fa-instagram"></a>
```

```
<a href="#" class="fab fa-pinterest "></a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<!-- about section ends -->
```

```
<!-- service section starts -->
```

```
<section id="service" class="service">
```

```
<h1 class="heading">our services</h1>
```

```
<div class="box-container mx-auto">
```

```
<div class="box">
```

```
<div class="fas fa-palette"></div>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
<div class="box">
```

```
  <div class="fas fa-tools"></div>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
<div class="box">
```

```
  <div class="fas fa-house-user"></div>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
<div class="box">
```

```
  <div class="fas fa-couch"></div>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
<div class="box">
```

```
  <div class="fas fa-bed"></div>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
<div class="box">
```

```
  <div class="fas fa-bath"></div>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ex unde assumenda odio sint voluptatibus sed, quae deserunt fugit voluptates nisi!</p>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<!-- service section ends -->
```

```
<!-- project section starts -->
```

```
<section id="project" class="project">
```

```
<div class="heading">our projects</div>
```

```
<div class="box-container mx-auto">
```

```
<div class="box">
```

```
<a href="img-1.jpg" title="house">
```

```

```

```
</a>
```

```
</div>
```

```
<div class="box">
```

```
<a href="img-2.jpg" title="hall">
```

```

```

```
</a>
```

```
</div>
```

```
<div class="box">
```

```
<a href="img-3.jpg" title="pole">
```

```

```

```
</a>
</div>

<div class="box">
  <a href="img-4.jpg" title="kitchen">
    
  </a>
</div>

<div class="box">
  <a href="img-5.jpg" title="bath">
    
  </a>
</div>

<div class="box">
  <a href="img-6.jpg" title="toilet">
    
  </a>
</div>

</div>

</section>

<!-- project section ends -->

<!-- contact section starts -->
```



```
<section id="contact" class="contact">
```

```
<h1 class="heading">contact us</h1>
```

```
<div class="contact-box-container mx-auto">
```

```
<div class="contact-box">
```

```
<i class="fas fa-map-marker-alt"></i>
```

```
<h3>mumbai, india - 400104</h3>
```

```
</div>
```

```
<div class="contact-box">
```

```
<i class="fas fa-envelope"></i>
```

```
<h3>xyz@gmail.com</h3>
```

```
</div>
```

```
<div class="contact-box">
```

```
<i class="fas fa-phone"></i>
```

```
<h3>+9100000000</h3>
```

```
</div>
```

```
</div>
```

```
<div class="form-container mx-auto">
```

```
<form action="">
```

```
<div class="inputBox">
```

```
<input type="text" placeholder="first name">
```

```
<input type="text" placeholder="last name">
</div>
<input type="email" placeholder="e-mail">
<textarea name="" id="" cols="30" rows="10" placeholder="message"></textarea>
<input type="submit" value="send">

</form>

</div>

</section>

<!-- contact section ends -->

<!-- footer section starts -->

<section class="container-fluid footer">

<div class="row">

<div class="col-md-3">
  <h2></h2>
  <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Sequi rerum facilis, deserunt
  ea commodi sed voluptatum beatae accusamus nisi pariatur.</p>
</div>

<div class="col-md-3">
  <h2>our location</h2>
  <div class="list">
    <a href="#">india</a>
```

```
<a href="#">france</a>
<a href="#">usa</a>
<a href="#">japan</a>
<a href="#">rusia</a>
</div>
</div>

<div class="col-md-3">
  <h2>follow us</h2>
  <div class="list">
    <a href="#">facebook</a>
    <a href="#">twitter</a>
    <a href="#">instagram</a>
    <a href="#">pinterest</a>
  </div>
</div>

<div class="col-md-3 text-center text-md-left letter">
  <h2>newsletter</h2>
  <p>subscribe for latest updates</p>
  <input type="email" placeholder="enter your email">
  <input type="submit" placeholder="subscribe">
</div>

</div>

<h1 class="credit">created by <span>Alain Mathew</span> | all rights reserved. </h1>

</section>
```

```
<!-- footer section ends -->
```

```
<!-- jquery file link -->
```

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
```

```
<!-- magnific popup link -->
```

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/magnific-popup.js/1.1.0/jquery.magnific-popup.min.js"></script>
```

```
<!-- main/custom javascript file link -->
```

```
<script >$(document).ready(function(){
```

```
    $('.fa-bars').click(function(){
```

```
        $(this).toggleClass('fa-times');
```

```
        $('nav').toggleClass('nav-toggle');
```

```
    });
```

```
    $(window).on('scroll load',function(){
```

```
        $('.fa-bars').removeClass('fa-times');
```

```
        $('nav').removeClass('nav-toggle');
```

```
    });
```

```
    $('.count').each(function() {
```

```
        var $this = $(this),
```

```
        countTo = $this.attr('data-count');
```

```
        $({ countNum: $this.text()}).animate({
```

```
            countNum: countTo
```

```
        },
```

```
        {
```

```
            duration: 5000,
```

```
step: function() {  
    $this.text(Math.floor(this.countNum));  
},  
complete: function() {  
    $this.text(this.countNum + '+');  
}  
});  
});
```

```
$('.project').magnificPopup({  
    delegate:'a',  
    type:'image',  
    gallery:{  
        enabled:true  
    }  
});
```

```
});</script>
```

```
</body>
```

```
</html>
```

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Closure;
```

```
use Illuminate\Support\Facades\DB;
```

```
use Illuminate\Support\Facades\Auth;
```

```

use Illuminate\Http\Request;
use Illuminate\Support\Facades\Validator;

class account extends Controller
{
    public function register(Request $request)
    {

        $request->validate([
            'name' => 'required|string|max:255',
            'email' => 'required|string|email|max:255|unique:users',
            'password' => 'required|string|min:6|confirmed',
        ]);

        $user = new User();
        $user->name = $request->name;
        $user->email = $request->email;
        $user->password = bcrypt($request->password);
        $user->save();
        Auth::login($user);
        echo "User Registered Successfully";
        return redirect('/userdetail');
    }

    public function login(Request $req)
    {
        $val=$req->validate([
            'email' => 'required|string|email',

```

```

        'password' => 'required|string',
    ]);

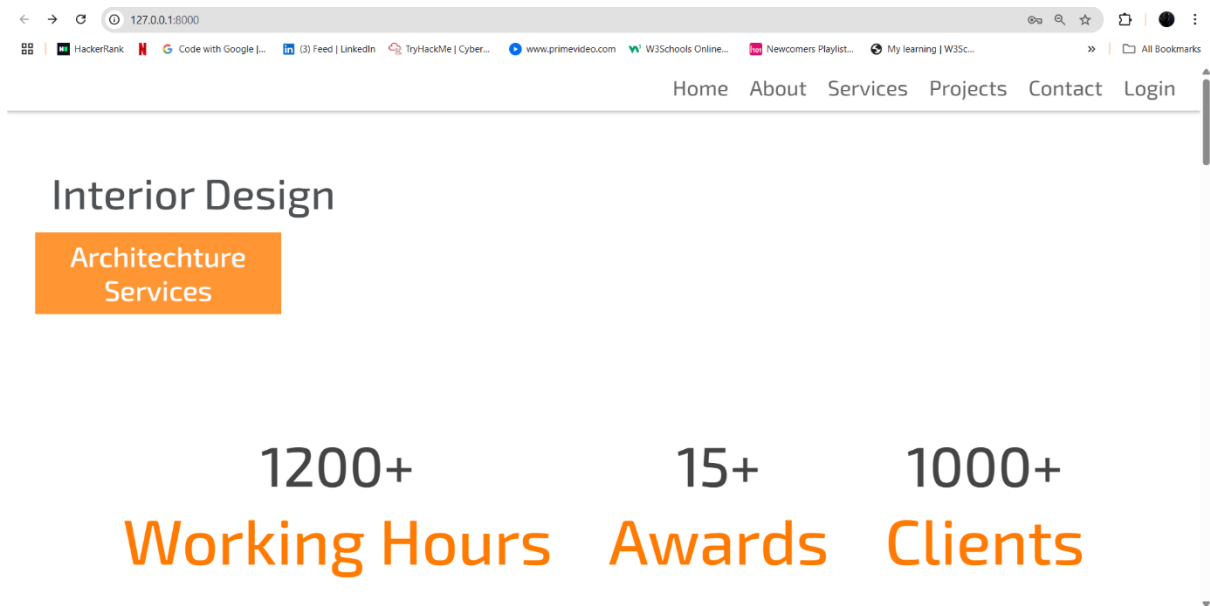
    $user = User::where('email', $req->email)->first();
    if ($user && Hash::check($req->password, $user->password)) {
        $token = $user->createToken('auth_token')->plainTextToken;
        session(['user' => $user]);
        return redirect("/");
    }

    return response()->json(['message' => 'Invalid credentials'], 401);
}

public function logout(Request $request)
{
    $request->user()->tokens()->delete();
    return response()->json(['message' => 'Logged out successfully'], 200);
}
}

```

Output



Program 2

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

Code

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

    <!-- Bootstrap CSS -->

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body>

<div class="container">

    <h1 class="mt-5">Uploaded Files</h1>

    @if(session('success'))

        <div class="alert alert-success">

            <p>{{ session('success') }}</p>

        </div>

    @endif

    @if(session('error'))

        <div class="alert alert-danger">

            <p>{{ session('error') }}</p>

        </div>

    @endif

    <form action="/upload" method="POST" enctype="multipart/form-data" class="mt-3">

        @csrf

        <div class="form-group">

            <input type="file" name="file" class="form-control-file">

```

```

    </div>

    <button type="submit" class="btn btn-primary">Upload</button>

  </form>
</div>

<!-- Bootstrap JS and dependencies -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></scrip
t>

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>
</html>

```

Output

Uploaded Files

Choose File No file chosen

Upload

Program 3: Program to illustrate the creation of a Laravel web application with all form validations.

Code

Register.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>register</title>

    <!-- font awesome cdn link -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.0.0/css/all.min.css">

    <!-- custom css file link -->
    <link rel="stylesheet" href="css/style.css">

</head>
<body>

<div class="form-container">

    <form action="/register/control" method="post">
        @csrf
```

```

    <h3>register now</h3>

    <input type="text" name="name" placeholder="enter your name" required
class="box">

    <input type="email" name="email" placeholder="enter your email"
required class="box">

    <input type="password" name="password" placeholder="enter your
password" required class="box">

    <input type="password" name="cpassword" placeholder="confirm your
password" required class="box">

    <select name="user_type" class="box">
        <option value="user">user</option>
        <option value="admin">admin</option>
    </select>

    <input type="submit" name="submit" value="register now" class="btn">

    <p>already have an account? <a href="/login">login now</a></p>
</form>

</div>

</body>
</html>

```

Web.php

```
<?php
```

```

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

```

```

use App\Http\Controllers\ProductController;
use App\Http\Controllers\OrderController;
use App\Http\Controllers\CartController;
use App\Http\Controllers\MessageController;
use App\Http\Controllers\Admin\AdminController;
use App\Http\Controllers\ShopController;
use App\Http\Controllers\SearchController;
use App\Http\Controllers\Auth\LogoutController;

```

```

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

// User routes

Route::get('/register', [UserController::class, 'showRegisterForm'])-
>name('register');

Route::post('/register/control', [UserController::class, 'register']);

```

Controller.php

```
<?php
```

```

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;
use App\Models\User;

class UserController extends Controller

```

```
{  
    public function register(Request $request)  
    {  
        $request->validate([  
            'name' => 'required|string|max:255',  
            'email' => 'required|string|email|max:255|unique:users',  
            'password' => 'required|string|min:6|confirmed',  
        ]);  
  
        $user = new User();  
        $user->name = $request->name;  
        $user->email = $request->email;  
        $user->password = bcrypt($request->password);  
        $user->save();  
  
        Auth::login($user);  
  
        return redirect()->route('home');  
    }  
  
    public function login(Request $request)  
    {  
        $credentials = $request->only('email', 'password');  
  
        if (Auth::attempt($credentials)) {  
            $request->session()->put('user', Auth::user());  
        }  
    }  
}
```

```
        return redirect()->intended('dashboard');
    }

    return back()->withErrors([
        'email' => 'The provided credentials do not match our records.',
    ]);
}

public function showLoginForm()
{
    return view('login');
}

public function showRegisterForm()
{
    return view('register');
}

public function logout(Request $request)
{
    Auth::logout();
    $request->session()->invalidate();
    $request->session()->regenerateToken();
    return redirect('/');
}
}
```

Output

REGISTER NOW

George B George

georgebiju915

! Please include an '@' in the email address. 'georgebiju915' is missing an '@'.

.....

user

Register Now

already have an account? [login now](#)

Program 4: Create a Login page using the Laravel framework.(without using breeze/jetstream)

Code

Usercontroller.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use Illuminate\Support\Facades\Auth;
```

```
use App\Models\User;
```

```
class UserController extends Controller
```

```
{
```

```
    public function register(Request $request)
```

```
    {
```

```
        $request->validate([
```

```
            'name' => 'required|string|max:255',
```

```
            'email' => 'required|string|email|max:255|unique:users',
```

```
            'password' => 'required|string|min:6|confirmed',
```

```
        ]]);
```

```
        $user = new User();
```

```
        $user->name = $request->name;
```

```
        $user->email = $request->email;
```

```
        $user->password = bcrypt($request->password);
```

```
        $user->save();
```

```
        Auth::login($user);
```

```
        return redirect()->route('home');
```

```
}

public function login(Request $request)
{
    $credentials = $request->only('email', 'password');

    if (Auth::attempt($credentials)) {
        $request->session()->put('user', Auth::user());
        return redirect()->intended('dashboard');
    }

    return back()->withErrors([
        'email' => 'The provided credentials do not match our records.',
    ]);
}

public function showLoginForm()
{
    return view('login');
}

public function showRegisterForm()
{
    return view('register');
}

public function logout(Request $request)
{
    Auth::logout();
    $request->session()->invalidate();
    $request->session()->regenerateToken();
    return redirect('/');
}
}
```

Web.php

```
<?php
```

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\UserController;
use App\Http\Controllers\ProductController;
use App\Http\Controllers\OrderController;
use App\Http\Controllers\CartController;
use App\Http\Controllers\MessageController;
use App\Http\Controllers\Admin\AdminController;
use App\Http\Controllers\ShopController;
use App\Http\Controllers\SearchController;
use App\Http\Controllers\Auth\LogoutController;
```

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

```
// Admin routes
```

```
Route::prefix('admin')->name('admin.')->group(function () {
    Route::get('/dashboard', [AdminController::class, 'dashboard'])->name('dashboard');
    Route::get('/orders', [AdminController::class, 'orders'])->name('orders');
    Route::post('/orders/update', [AdminController::class, 'updateOrder'])->name('orders.update');
    Route::get('/orders/delete/{id}', [AdminController::class, 'deleteOrder'])->name('orders.delete');
    Route::get('/users', [AdminController::class, 'users'])->name('users');
    Route::get('/users/delete/{id}', [AdminController::class, 'deleteUser'])->name('users.delete');
    Route::get('/products', [AdminController::class, 'products'])->name('products');
    Route::post('/products/store', [AdminController::class, 'storeProduct'])->name('products.store');
    Route::post('/products/update/{id}', [AdminController::class, 'updateProduct'])->name('products.update');
```

```

    Route::get('/products/delete/{id}', [AdminController::class, 'deleteProduct'])->name('products.delete');

    Route::get('/contacts', [AdminController::class, 'contacts'])->name('contacts');

    Route::get('/contacts/delete/{id}', [AdminController::class, 'deleteContact'])->name('contacts.delete');

    });

// Shop routes
Route::get('shop', [ShopController::class, 'index']);
Route::post('add_to_cart', [ShopController::class, 'addToCart']);

// Search routes
Route::post('/search', [SearchController::class, 'index'])->name('search');
Route::post('search_page', [SearchController::class, 'index']);
Route::post('add_to_cart', [SearchController::class, 'addToCart']);

// Order routes
Route::get('orders', [OrderController::class, 'index']);

// Logout route
Route::get('logout', [LogoutController::class, 'logout']);

// Home route
Route::get('/', function () {
    return view('home');
})->name('home');

// User routes
Route::get('/register', [UserController::class, 'showRegisterForm'])->name('register');
Route::post('/register/control', [UserController::class, 'register']);
Route::get('/login', [UserController::class, 'showLoginForm'])->name('login');
Route::post('/login/control', [UserController::class, 'login']);

```

```

Route::get('/logout', [UserController::class, 'logout'])->name('logout');

// Product routes
Route::get('/shop', [ProductController::class, 'index'])->name('shop');
Route::get('/product/{id}', [ProductController::class, 'show'])->name('product.show');

// Cart routes
Route::get('/cart', [CartController::class, 'index'])->name('cart');
Route::post('/cart/add', [CartController::class, 'add'])->name('cart.add');
Route::post('/cart/update', [CartController::class, 'update'])->name('cart.update');
Route::get('/cart/delete/{id}', [CartController::class, 'delete'])->name('cart.delete');
Route::get('/cart/clear', [CartController::class, 'clear'])->name('cart.clear');

// Order routes
Route::get('/orders', [OrderController::class, 'index'])->name('orders');
Route::post('/order/place', [OrderController::class, 'place'])->name('order.place');
Route::get('/checkout', [OrderController::class, 'checkout'])->name('checkout');

// Message routes
Route::get('/contact', [MessageController::class, 'showContactForm'])->name('contact');
Route::post('/contact', [MessageController::class, 'send'])->name('contact.send');
Route::resource('messages', MessageController::class);
Route::post('/send_message', [MessageController::class, 'sendMessage'])->name('send_message');

// About route
Route::get('/about', function () {
    return view('about');
})->name('about');

// Shop route
Route::get('/shop', [ShopController::class, 'index']);

```

Register.blade.php

```
<!DOCTYPE html>
```

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

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

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

```
    <title>register</title>
```

```
    <!-- font awesome cdn link -->
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/6.0.0/css/all.min.css">
```

```
    <!-- custom css file link -->
```

```
    <link rel="stylesheet" href="css/style.css">
```

```
</head>
```

```
<body>
```

```
<div class="form-container">
```

```
    <form action="/register/control" method="post">
```

```
        @csrf
```

```
        <h3>register now</h3>
```

```
        <input type="text" name="name" placeholder="enter your name" required class="box">
```

```
        <input type="email" name="email" placeholder="enter your email" required class="box">
```

```
        <input type="password" name="password" placeholder="enter your password" required  
class="box">
```

```
        <input type="password" name="cpassword" placeholder="confirm your password" required  
class="box">
```

```
        <select name="user_type" class="box">
```

```

        <option value="user">user</option>
        <option value="admin">admin</option>
    </select>
    <input type="submit" name="submit" value="register now" class="btn">
    <p>already have an account? <a href="/login">login now</a></p>
</form>

</div>

</body>
</html>

```

Login.blade.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>login</title>

    <!-- font awesome cdn link -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.0.0/css/all.min.css">

    <!-- custom css file link -->
    <link rel="stylesheet" href="css/style.css">

</head>
<body>

```

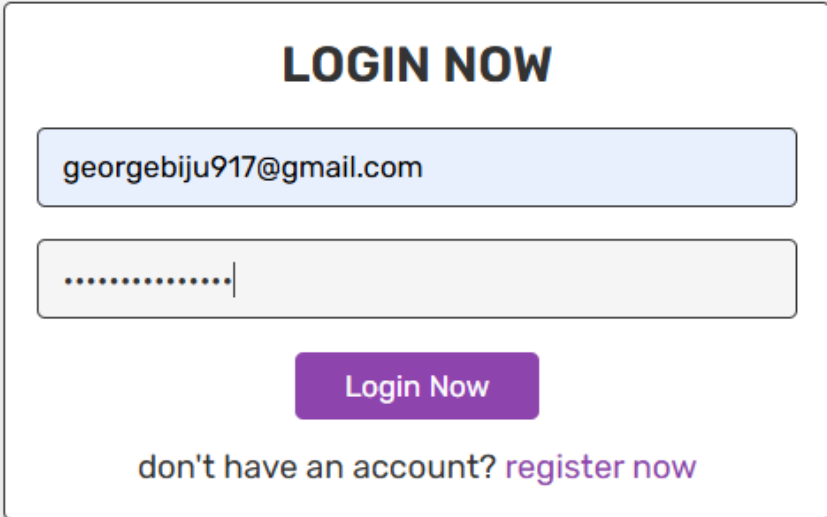
```
<div class="form-container">

<form action="/login/control" method="post">
@csrf
  <h3>login now</h3>
  <input type="email" name="email" placeholder="enter your email" required class="box">
  <input type="password" name="password" placeholder="enter your password" required
class="box">
  <input type="submit" name="submit" value="login now" class="btn">
  <p>don't have an account? <a href="/register">register now</a></p>
</form>

</div>

</body>
</html>
```

Output



LOGIN NOW


georgebiju917@gmail.com

.....|

Login Now

don't have an account? [register now](#)

REGISTER NOW

 Please include an '@' in the email address. 'georgebiju915' is missing an '@'.

already have an account? [login now](#)

Program 5: Program to implement session handling using the Laravel framework

Code

Usercontroller.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use Illuminate\Support\Facades\Auth;
```

```
use App\Models\User;
```

```
class UserController extends Controller
```

```
{
```

```
    public function register(Request $request)
```

```
    {
```

```
        $request->validate([
```

```
            'name' => 'required|string|max:255',
```

```
            'email' => 'required|string|email|max:255|unique:users',
```

```
            'password' => 'required|string|min:6|confirmed',
```

```
        ]);
```

```
        $user = new User();
```

```
        $user->name = $request->name;
```

```
        $user->email = $request->email;
```

```
        $user->password = bcrypt($request->password);
```

```
        $user->save();
```

```
        Auth::login($user);
```

```
        return redirect()->route('home');
```

```

    }

    public function login(Request $request)
    {
        $credentials = $request->only('email', 'password');

        if (Auth::attempt($credentials)) {
            $request->session()->put('user', Auth::user());
            return redirect()->intended('dashboard');
        }

        return back()->withErrors([
            'email' => 'The provided credentials do not match our records.',
        ]);
    }

    public function showLoginForm()
    {
        return view('login');
    }

    public function showRegisterForm()
    {
        return view('register');
    }

    public function logout(Request $request)
    {
        Auth::logout();
        $request->session()->invalidate();
        $request->session()->regenerateToken();
        return redirect('/');
    }
}

```

Web.php

```
<?php
```

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\UserController;
use App\Http\Controllers\ProductController;
use App\Http\Controllers\OrderController;
use App\Http\Controllers\CartController;
use App\Http\Controllers\MessageController;
use App\Http\Controllers\Admin\AdminController;
use App\Http\Controllers\ShopController;
use App\Http\Controllers\SearchController;
use App\Http\Controllers\Auth\LogoutController;
```

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

```
// Admin routes
```

```
Route::prefix('admin')->name('admin.')->group(function () {
    Route::get('/dashboard', [AdminController::class, 'dashboard'])->name('dashboard');
    Route::get('/orders', [AdminController::class, 'orders'])->name('orders');
    Route::post('/orders/update', [AdminController::class, 'updateOrder'])->name('orders.update');
    Route::get('/orders/delete/{id}', [AdminController::class, 'deleteOrder'])->name('orders.delete');
    Route::get('/users', [AdminController::class, 'users'])->name('users');
    Route::get('/users/delete/{id}', [AdminController::class, 'deleteUser'])->name('users.delete');
    Route::get('/products', [AdminController::class, 'products'])->name('products');
    Route::post('/products/store', [AdminController::class, 'storeProduct'])->name('products.store');
    Route::post('/products/update/{id}', [AdminController::class, 'updateProduct'])->name('products.update');
```

```

    Route::get('/products/delete/{id}', [AdminController::class, 'deleteProduct'])->name('products.delete');

    Route::get('/contacts', [AdminController::class, 'contacts'])->name('contacts');

    Route::get('/contacts/delete/{id}', [AdminController::class, 'deleteContact'])->name('contacts.delete');

});

// Shop routes

Route::get('shop', [ShopController::class, 'index']);

Route::post('add_to_cart', [ShopController::class, 'addToCart']);

// Search routes

Route::post('/search', [SearchController::class, 'index'])->name('search');

Route::post('search_page', [SearchController::class, 'index']);

Route::post('add_to_cart', [SearchController::class, 'addToCart']);

// Order routes

Route::get('orders', [OrderController::class, 'index']);

// Logout route

Route::get('logout', [LogoutController::class, 'logout']);

// Home route

Route::get('/', function () {
    return view('home');
})->name('home');

// User routes

Route::get('/register', [UserController::class, 'showRegisterForm'])->name('register');

Route::post('/register/control', [UserController::class, 'register']);

Route::get('/login', [UserController::class, 'showLoginForm'])->name('login');

Route::post('/login/control', [UserController::class, 'login']);

```

```
Route::get('/logout', [UserController::class, 'logout'])->name('logout');

// Product routes
Route::get('/shop', [ProductController::class, 'index'])->name('shop');
Route::get('/product/{id}', [ProductController::class, 'show'])->name('product.show');

// Cart routes
Route::get('/cart', [CartController::class, 'index'])->name('cart');
Route::post('/cart/add', [CartController::class, 'add'])->name('cart.add');
Route::post('/cart/update', [CartController::class, 'update'])->name('cart.update');
Route::get('/cart/delete/{id}', [CartController::class, 'delete'])->name('cart.delete');
Route::get('/cart/clear', [CartController::class, 'clear'])->name('cart.clear');

// Order routes
Route::get('/orders', [OrderController::class, 'index'])->name('orders');
Route::post('/order/place', [OrderController::class, 'place'])->name('order.place');
Route::get('/checkout', [OrderController::class, 'checkout'])->name('checkout');

// Message routes
Route::get('/contact', [MessageController::class, 'showContactForm'])->name('contact');
Route::post('/contact', [MessageController::class, 'send'])->name('contact.send');
Route::resource('messages', MessageController::class);
Route::post('/send_message', [MessageController::class, 'sendMessage'])->name('send_message');

// About route
Route::get('/about', function () {
    return view('about');
})->name('about');

// Shop route
Route::get('/shop', [ShopController::class, 'index']);
```

Header.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 rel="stylesheet" href="{{ asset('css/style.css') }}">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css">

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <script src="{{ asset('js/script.js') }}" defer></script>

</head>

<body>

@if (session('message'))

    @foreach (session('message') as $message)

        <div class="message">

            <span>{{ $message }}</span>

            <i class="fas fa-times" onclick="this.parentElement.remove();"></i>

        </div>

    @endforeach

@endif

<header class="header">

    <div class="header-1">

        <div class="flex">

            <div class="share">

                <a href="#" class="fab fa-facebook-f"></a>

                <a href="#" class="fab fa-twitter"></a>

                <a href="#" class="fab fa-instagram"></a>
```

```

        <a href="#" class="fab fa-linkedin"></a>
    </div>

    <p> new <a href="{{ url('login') }}">login</a> | <a href="{{ url('register') }}">register</a> </p>
</div>
</div>

<div class="header-2">
    <div class="flex">
        <a href="{{ url('home') }}" class="logo">Bookly.</a>
        <nav class="navbar">
            <a href="/">home</a>
            <a href="{{ url('about') }}">about</a>
            <a href="{{ url('shop') }}">shop</a>
            <a href="{{ url('contact') }}">contact</a>
            <a href="{{ url('orders') }}">orders</a>
        </nav>
        <div class="icons">
            <div id="menu-btn" class="fas fa-bars"></div>
            <a href="{{ url('search_page') }}" class="fas fa-search"></a>
            <div id="user-btn" class="fas fa-user"></div>
        </div>

        <div class="user-box">
            <p>username : <span>{{ session('user_name') }}</span></p>
            <p>email : <span>{{ session('user_email') }}</span></p>
            <a href="{{ url('logout') }}" class="delete-btn">logout</a>
        </div>
    </div>
</div>
</header>

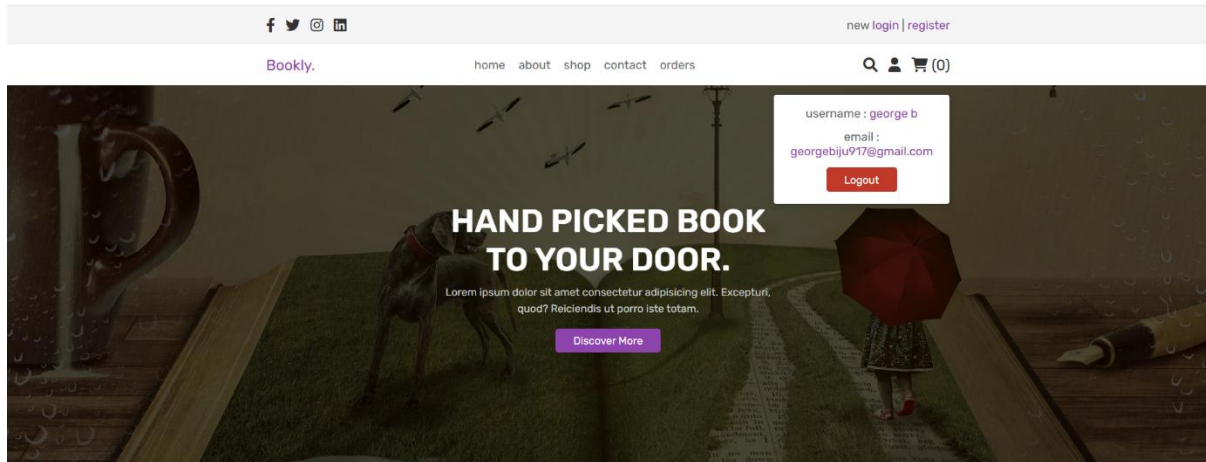
```



```
</body>
```

```
</html>
```

Output



Program 6 : Write a program to execute database CRUD operations in the Laravel framework.

Code

CarModel.php

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Model;

class Car extends Model
{
    //
}
```

Create_cars_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('cars', function (Blueprint $table) {
            $table->id();
            $table->string('make');
            $table->string('model');
            $table->string('color');
```

```

        $table->decimal('price', 12, 2);

        $table->timestamps();

    });

}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('cars');
}

};

```

Dashboard.blade.php

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Dashboard</title>@vite('resources/css/app.css')

</head>

<body class="container">

    <h2>Welcome {{ session('user') }}</h2>

    @if (request()->routeIs('car.edit'))

        @php

```

```

        $car1 = App\Models\Car::find(request()->route('id'));

    @endphp

<form action="{{ route('car.update', $car1->id) }}" method="post" class="row">

    @csrf

    @method('PUT')

    <div class="col col-sm-2 mb-3">

        <label for="model" class="form-label">Model</label>

        <input type="text" name="model" id="model" class="form-control" value="{{ $car1->model
    }}" />

    </div>

    <div class="col col-sm-2 mb-3">

        <label for="make" class="form-label">Make</label>

        <input type="text" name="make" id="make" class="form-control" value="{{ $car1->make }}"
    />

    </div>

    <div class="col col-sm-2 mb-3">

        <label for="color" class="form-label">Color</label>

        <input type="text" name="color" id="color" class="form-control" value="{{ $car1->color }}" />

    </div>

    <div class="col col-sm-2 mb-3">

        <label for="price" class="form-label">Price</label>

        <input type="number" name="price" id="price" class="form-control" value="{{ $car1->price
    }}" />

    </div>

    <div class="col col-sm-2 mt-4">

        <button type="submit" class="btn btn-primary mt-2">Update</button>

    </div>

</form>

@else

<form action="/dashboard/car" method="post" class="row">

    @csrf

    @if ($errors->any())

```

```

<div class="alert alert-danger col col-12">

    <ul>

        @foreach ($errors->all() as $error)

            <li>{{ $error }}</li>

        @endforeach

    </ul>

</div>

@endif

<div class="col col-sm-2 mb-3">

    <label for="model" class="form-label">Model</label>

    <input type="text" name="model" id="model" class="form-control" />

</div>

<div class="col col-sm-2 mb-3">

    <label for="make" class="form-label">Make</label>

    <input type="text" name="make" id="make" class="form-control" />

</div>

<div class="col col-sm-2 mb-3">

    <label for="color" class="form-label">Color</label>

    <input type="text" name="color" id="color" class="form-control" />

</div>

<div class="col col-sm-2 mb-3">

    <label for="price" class="form-label">Price</label>

    <input type="number" name="price" id="price" class="form-control" />

</div>

<div class="col col-sm-2 mt-4">

    <button type="submit" class="btn btn-primary mt-2">Add</button>

</div>

</form>

@endif

<div class="row">

    <div class="table-responsive">

```

```

<table class="table">
  <thead>
    <tr>
      <th scope="col">Model</th>
      <th scope="col">Make</th>
      <th scope="col">Color</th>
      <th scope="col">Price</th>
      <th scope="col">Actions</th>
    </tr>
  </thead>
  <tbody>
    @foreach ($cars as $car)
      <tr class="">
        <td scope="row">{{ $car->model }}</td>
        <td scope="row">{{ $car->make }}</td>
        <td scope="row">{{ $car->color }}</td>
        <td scope="row">{{ $car->price }}</td>
        <td scope="row">
          <a href="{{route('car.edit', $car->id)}}" class="btn btn-primary">Edit</a>
          <form action="{{ route('car.delete', $car->id) }}" method="post" class="d-inline">
            @csrf
            @method('DELETE')
            <button type="submit" class="btn btn-danger">Delete</button>
          </form>
        </td>
      </tr>
    @endforeach
  </tbody>
</table>
</div>

```

```

    </div>
</body>

</html>

```

Web.php

```

<?php

use App\Http\Controllers\CarController;
use App\Http\Controllers\FormController;
use App\Models\Car;
use Illuminate\Support\Facades\Route;

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

Route::post('/', [FormController::class, 'login']);

Route::prefix('dashboard')->group(function () {
    Route::get('', [CarController::class, 'index'])->name('dashboard');
    Route::post('/car', [CarController::class, 'storeCar'])->name('car.store');
    Route::get('/car/{id}/edit', [CarController::class, 'index'])->name('car.edit');
    Route::put('/car/{id}', [CarController::class, 'updateCar'])->name('car.update');
    Route::delete('/car/{id}', [CarController::class, 'deleteCar'])->name('car.delete');
});

```

CarController.php

```

<?php

```

```
namespace App\Http\Controllers;

use App\Models\Car;
use Illuminate\Http\Request;

class CarController extends Controller
{
    //
    function index() {
        $cars = Car::all();
        return view('dashboard',['cars'=>$cars]);
    }
    function storeCar(Request $request){

        $request->validate([
            'make' => 'required',
            'model' => 'required',
            'color' => 'required',
            'price' => 'required|numeric',
        ]);

        $car = new Car();
        $car->make = $request->make;
        $car->model = $request->model;
        $car->color = $request->color;
        $car->price = $request->price;
        $car->save();

        return redirect('/dashboard');
    }
}
```



```
function updateCar(Request $request, $id){  
    $request->validate([  
        'make' => 'required',  
        'model' => 'required',  
        'color' => 'required',  
        'price' => 'required|numeric',  
    ]);  
  
    $car = Car::find($id);  
    $car->make = $request->make;  
    $car->model = $request->model;  
    $car->color = $request->color;  
    $car->price = $request->price;  
    $car->save();  
  
    return redirect('/dashboard');  
}  
  
function deleteCar($id){  
    $car = Car::find($id);  
    $car->delete();  
    return redirect('/dashboard');  
}  
}
```

Output

Welcome admin@gmail.com

Model	Make	Color	Price	
<input type="text" value="r8"/>	<input type="text" value="audi"/>	<input type="text" value="green"/>	<input type="text" value="75000.00"/>	<input type="button" value="Update"/>

Model	Make	Color	Price	Actions
r8	audi	green	70000.00	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Welcome admin@gmail.com

Model	Make	Color	Price	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

Model	Make	Color	Price	Actions
r8	audi	green	70000.00	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Program 7

Create a simple Laravel Web Application, including:

- 7.1. A registration form with all form validations.
- 7.2. Perform CRUD operations using migrations.

Register.blade.php

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Registration</title>
  @vite('resources/css/app.css')
</head>

<body class="container p-1">
  <a href="/" class="btn btn-dark">Login</a>
  <a href="/register" class="btn btn-outline-dark">Register</a>
  <form id="myForm" action="/register" method="post" class="w-50 mx-auto mt-5 needs-
validation" novalidate>
    @csrf

    @if ($errors->any())
      <div class="alert alert-danger">
        <ul>
          @foreach ($errors->all() as $error)
            <li>{{ $error }}</li>
          @endforeach
        </ul>
      </div>
    @endif

    <div class="text-center h4">Register</div>

    <div class="mb-3">
      <label for="name" class="form-label">Enter your name</label>
      <input type="text" name="name" id="name" class="form-control" required />
      <div class="invalid-feedback">Please enter your name.</div>
    </div>

    <div class="mb-3">
      <label for="email" class="form-label">Enter your email</label>
      <input type="email" name="email" id="email" class="form-control" required />
      <div class="invalid-feedback">Please enter a valid email address.</div>
    </div>
  </form>
</body>
```

```

</div>

<div class="mb-3">
  <label for="password" class="form-label">Create a new password</label>
  <input type="password" name="password" id="password" class="form-control"
required minlength="5" />
  <div class="invalid-feedback">Password must be at least 5 characters long.</div>
</div>

<div class="mb-3">
  <label for="password_confirmation" class="form-label">Confirm your
password</label>
  <input type="password" name="password_confirmation"
id="password_confirmation" class="form-control"
  required />
  <div class="invalid-feedback">Passwords do not match.</div>
</div>

<button type="submit" class="btn btn-dark">Submit</button>
</form>

<script>
document.addEventListener("DOMContentLoaded", function() {
  const form = document.getElementById("myForm");
  const password = document.getElementById("password");
  const passwordConfirmation = document.getElementById("password_confirmation");

  form.addEventListener("submit", function(event) {
    if (!form.checkValidity()) {
      event.preventDefault();
      event.stopPropagation();
    }

    if (password.value !== passwordConfirmation.value) {
      event.preventDefault();
      event.stopPropagation();
      passwordConfirmation.classList.add("is-invalid");
      passwordConfirmation.nextElementSibling.textContent = "Passwords do not
match.";
    } else {
      passwordConfirmation.classList.remove("is-invalid");
    }

    form.classList.add("was-validated");
  });
});
</script>

</body>

```

```
</html>
```

Login.blade.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Login</title>
  @vite('resources/css/app.css')
</head>
<body class="container">
  <a href="/" class="btn btn-dark">Login</a>
  <a href="/register" class="btn btn-outline-dark">Register</a>
  <form id="myForm" action="/" method="post" class="w-50 mx-auto mt-5 needs-
validation" novalidate>
    @csrf

    @if ($errors->any())
      <div class="alert alert-danger">
        <ul>
          @foreach ($errors->all() as $error)
            <li>{{ $error }}</li>
          @endforeach
        </ul>
      </div>
    @endif

    <div class="text-center h4">Login</div>

    <div class="mb-3">
      <label for="email" class="form-label">Enter your email</label>
      <input type="email" name="email" id="email" class="form-control" required />
      <div class="invalid-feedback">Please enter a valid email address.</div>
    </div>

    <div class="mb-3">
      <label for="password" class="form-label">Enter your password</label>
      <input type="password" name="password" id="password" class="form-control"
required minlength="5" />
      <div class="invalid-feedback">Password must be at least 5 characters long.</div>
    </div>

    <button type="submit" class="btn btn-dark">Submit</button>
  </form>

</body>
</html>
```

Dashboard.blade.php

```

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Dashboard</title>@vite('resources/css/app.css')
</head>

<body class="container">
  <div class="d-flex justify-content-between align-items-center mb-3">
    <h2>Welcome {{ session('user') }}</h2>
    <a href="/logout" class="btn btn-danger">Logout</a>
  </div>
  @if (request()->routeIs('car.edit'))
    @php
      $car1 = App\Models\Car::find(request()->route('id'));
    @endphp
    <form action="{{ route('car.update', $car1->id) }}" method="post" class="row">
      @csrf
      @method('PUT')
      <div class="col col-sm-2 mb-3">
        <label for="model" class="form-label">Model</label>
        <input type="text" name="model" id="model" class="form-control" value="{{ $car1->model }}" />
      </div>
      <div class="col col-sm-2 mb-3">
        <label for="make" class="form-label">Make</label>
        <input type="text" name="make" id="make" class="form-control" value="{{ $car1->make }}" />
      </div>
      <div class="col col-sm-2 mb-3">
        <label for="color" class="form-label">Color</label>
        <input type="text" name="color" id="color" class="form-control" value="{{ $car1->color }}" />
      </div>
      <div class="col col-sm-2 mb-3">
        <label for="price" class="form-label">Price</label>
        <input type="number" name="price" id="price" class="form-control" value="{{ $car1->price }}" />
      </div>
      <div class="col col-sm-2 mt-4">
        <button type="submit" class="btn btn-primary mt-2">Update</button>
      </div>
    </form>
  @endif

```

```

@else
<form action="/dashboard/car" method="post" class="row">
  @csrf
  @if ($errors->any())
    <div class="alert alert-danger col col-12">
      <ul>
        @foreach ($errors->all() as $error)
          <li>{{ $error }}</li>
        @endforeach
      </ul>
    </div>
  @endif
  <div class="col col-sm-2 mb-3">
    <label for="model" class="form-label">Model</label>
    <input type="text" name="model" id="model" class="form-control" />
  </div>
  <div class="col col-sm-2 mb-3">
    <label for="make" class="form-label">Make</label>
    <input type="text" name="make" id="make" class="form-control" />
  </div>
  <div class="col col-sm-2 mb-3">
    <label for="color" class="form-label">Color</label>
    <input type="text" name="color" id="color" class="form-control" />
  </div>
  <div class="col col-sm-2 mb-3">
    <label for="price" class="form-label">Price</label>
    <input type="number" name="price" id="price" class="form-control" />
  </div>
  <div class="col col-sm-2 mt-4">
    <button type="submit" class="btn btn-primary mt-2">Add</button>
  </div>
</form>
@endif
<div class="row">
  <div class="table-responsive">
    <table class="table">
      <thead>
        <tr>
          <th scope="col">Model</th>
          <th scope="col">Make</th>
          <th scope="col">Color</th>
          <th scope="col">Price</th>
          <th scope="col">Actions</th>
        </tr>
      </thead>
      <tbody>
        @foreach ($cars as $car)
          <tr class="">
            <td scope="row">{{ $car->model }}</td>
            <td scope="row">{{ $car->make }}</td>

```

```

        <td scope="row">{{ $car->color }}</td>
        <td scope="row">{{ $car->price }}</td>
        <td scope="row">
            <a href="{{ route('car.edit', $car->id) }}" class="btn btn-primary">Edit</a>
            <form action="{{ route('car.delete', $car->id) }}" method="post" class="d-
inline">
                @csrf
                @method('DELETE')
                <button type="submit" class="btn btn-danger">Delete</button>
            </form>
        </td>
    </tr>
    @endforeach
</tbody>
</table>
</div>

</div>
</body>

</html>

```

Web.php

```
<?php
```

```

use App\Http\Controllers\CarController;
use App\Http\Controllers\FormController;
use App\Models\Car;
use Illuminate\Support\Facades\Route;

```

```

Route::get('/', function () {
    return view('login');
});
Route::post('/', [FormController::class, 'login']);
Route::get('/logout', [FormController::class, 'logout']);
Route::get('/register', function () {
    return view('register');
});
Route::post('/register', [FormController::class, 'register']);
Route::prefix('dashboard')->group(function () {
    Route::get('', [CarController::class, 'index'])->name('dashboard');
    Route::post('/car', [CarController::class, 'storeCar'])->name('car.store');
    Route::get('/car/{id}/edit', [CarController::class, 'index'])->name('car.edit');
    Route::put('/car/{id}', [CarController::class, 'updateCar'])->name('car.update');
    Route::delete('/car/{id}', [CarController::class, 'deleteCar'])->name('car.delete');
});

```

Formcontroller.php


```

<?php

namespace App\Http\Controllers;

use App\Models\User;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Hash;

class FormController extends Controller
{
    //
    function login(Request $req){
        $req->validate([
            'email'=>'required|email',
            'password'=>'required'
        ]);
        $user = User::where('email', $req->email)->first();
        if ($user && Hash::check($req->password, $user->password)) {
            session()->put('user', $req->email);
            return redirect('dashboard');
        } else {
            return back()->withErrors(['email' => 'Invalid credentials']);
        }
    }

    function logout(){
        session()->forget('user');
        return redirect('/');
    }

    function register(Request $req){
        $req->validate([
            'name'=>'required',
            'email'=>'required|email|unique:users,email',
            'password'=>'required'
        ]);
        User::create($req->all());
        return redirect('/');
    }
}

```

CarController.php

```

<?php

namespace App\Http\Controllers;

use App\Models\Car;

```

```

use Illuminate\Http\Request;

class CarController extends Controller
{
    //
    function index() {
        $cars = Car::all();
        return view('dashboard',['cars'=>$cars]);
    }
    function storeCar(Request $request){

        $request->validate([
            'make' => 'required',
            'model' => 'required',
            'color' => 'required',
            'price' => 'required|numeric',
        ]);

        $car = new Car();
        $car->make = $request->make;
        $car->model = $request->model;
        $car->color = $request->color;
        $car->price = $request->price;
        $car->save();

        return redirect('/dashboard');
    }

    function updateCar(Request $request, $id){
        $request->validate([
            'make' => 'required',
            'model' => 'required',
            'color' => 'required',
            'price' => 'required|numeric',
        ]);

        $car = Car::find($id);
        $car->make = $request->make;
        $car->model = $request->model;
        $car->color = $request->color;
        $car->price = $request->price;
        $car->save();

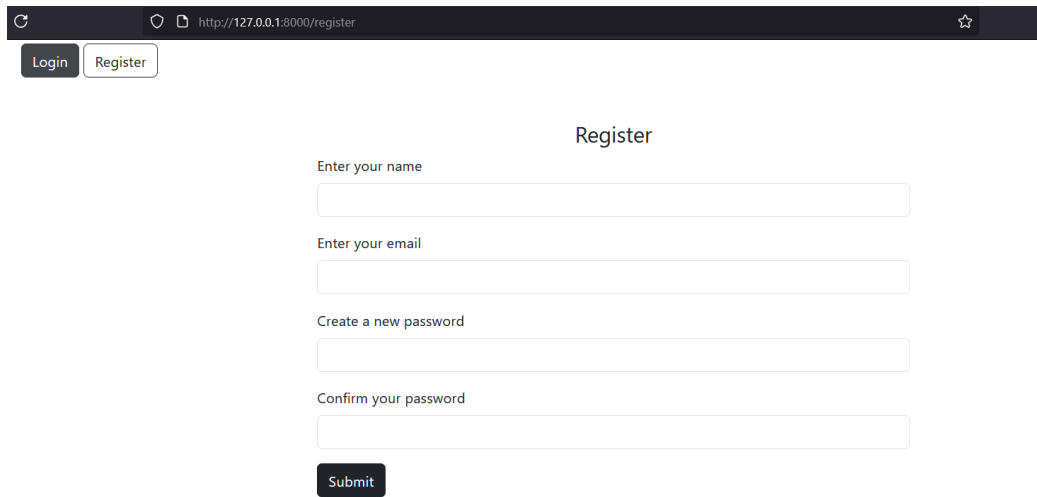
        return redirect('/dashboard');
    }

    function deleteCar($id){
        $car = Car::find($id);
        $car->delete();
        return redirect('/dashboard');
    }
}

```

```
}  
}
```

Output



The screenshot shows a web browser window with the address bar displaying `http://127.0.0.1:8000/register`. Below the address bar, there are two buttons: "Login" and "Register". The "Register" button is highlighted. The main content area displays the title "Register" followed by four input fields with labels: "Enter your name", "Enter your email", "Create a new password", and "Confirm your password". A "Submit" button is located at the bottom of the form.

Login

Enter your email

Enter your password

Submit

Welcome arjun@gmail.com

Logout

Model

Make

Color

Price

Add

Model	Make	Color	Price	Actions
Mustag	Ford	White	3000000.00	<div>EditDelete</div>

Program 8: Create a web application using PHP and MySQL that allows users to upload image files only, store them in a database, display all uploaded images, and provide an option to delete selected images.

Code

Create_image_models_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('image_models', function (Blueprint $table) {
            $table->id();
            $table->string('name');
            $table->string('path');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('image_models');
    }
};
```

Dashboard.blade.php

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Dashboard</title>@vite('resources/css/app.css')
</head>
```

```

<body class="container">

    <form action="/" method="post" class="row" enctype="multipart/form-data">
        @csrf
        @if ($errors->any())
            <div class="alert alert-danger col col-12">
                <ul>
                    @foreach ($errors->all() as $error)
                        <li>{{ $error }}</li>
                    @endforeach
                </ul>
            </div>
        @endif
        <div class="col col-sm-2 mb-3">
            <label for="image" class="form-label">Upload image</label>
            <input type="file" name="image" id="image" class="form-control" accept=".png,
.jpg" />
        </div>
        <div class="col col-sm-2 mt-4">
            <button type="submit" class="btn btn-primary mt-2">Add</button>
        </div>
    </form>
    <div class="row ">
        @foreach($images as $image )
            <div class="m-1 card col col-12 col-md-4">
                
                <div class="card-body">
                    <h4 class="card-title">{{ $image->name }}</h4>
                    <form action="/{{ $image->id }}" method="post" class="d-inline"
onsubmit="return confirmDelete('{{ $image->name }}')">
                        @csrf
                        @method('DELETE')
                        <button type="submit" class="btn btn-danger">Delete</button>
                    </form>
                </div>
            </div>
        @endforeach
    </div>

    <script>
        function confirmDelete(imageName) {
            return confirm( Are you sure you want to delete the image: ${imageName}? );
        }
    </script>
</body>

</html>

```

ImageController.php

```

<?php

namespace App\Http\Controllers;

use App\Models\ImageModel;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\File;
use Illuminate\Support\Facades\Storage;

class ImageController extends Controller
{
    //

    function index() {
        $images = ImageModel::all();
        return view('dashboard', ['images' => $images]);
    }
    function storeImage(Request $request){

        $request->validate([
            'image' => 'required|image|mimes:jpeg,png,jpg|max:2048',
        ]);

        $image = new ImageModel();
        $image->name = $request->image->getClientOriginalName();
        $image->path = $request->file('image')->store('images','public');
        $image->save();

        return redirect('/');
    }
    function deleteImage($id){
        $image = ImageModel::find($id);
        Storage::disk('public')->delete($image->path);
        $image->delete();
        return redirect('/');
    }
}

```

Web.php

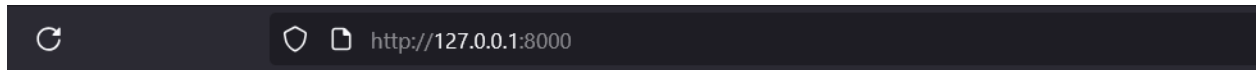
```

<?php

use App\Http\Controllers\CarController;
use App\Http\Controllers\FormController;
use App\Http\Controllers\ImageController;
use App\Models\Car;

```

```
use App\Models\ImageModel;  
use Illuminate\Support\Facades\Route;  
  
Route::get('/', function () {  
    $images = ImageModel::all();  
    return view('dashboard', ['images' => $images]);  
});  
Route::post('/', [ImageController::class, 'storeImage']);  
Route::delete('/{id}', [ImageController::class, 'deleteImage']);
```



Upload image

Browse...

No f...ted.

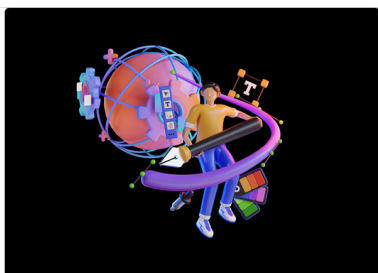
Add

Upload image

Browse...

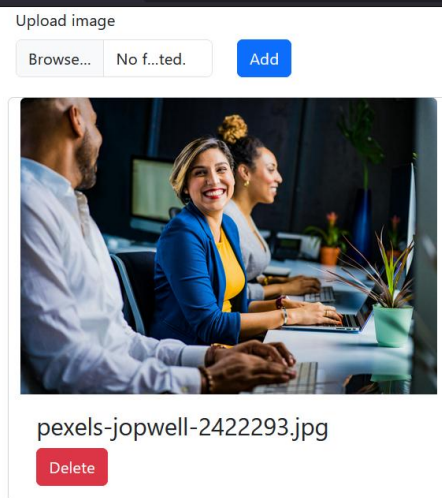
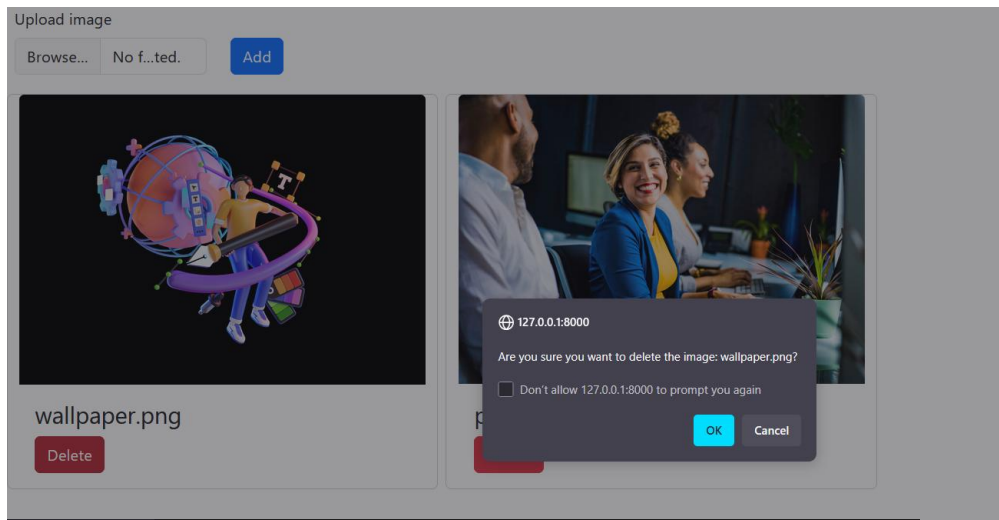
No f...ted.

Add



wallpaper.png

Delete



Program 9

Create a simple LARAVEL web application displaying the CAE2 Marks of MCA 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.

Code

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->enum('type', ['student', 'teacher']);
```

```
        $table->string('password');
```

```
        $table->rememberToken();
```

```
        $table->timestamps();
```

```
    });
```

```
    Schema::create('password_reset_tokens', function (Blueprint $table) {
```

```
        $table->string('email')->primary();
```

```
        $table->string('token');
```

```
        $table->timestamp('created_at')->nullable();
```

```
    });
```

```
    Schema::create('sessions', function (Blueprint $table) {
```

```
        $table->string('id')->primary();
```

```
        $table->foreignId('user_id')->nullable()->index();
```

```
        $table->string('ip_address', 45)->nullable();
```

```
        $table->text('user_agent')->nullable();
```

```
        $table->longText('payload');
```

```

        $table->integer('last_activity')->index();
    });
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('users');
    Schema::dropIfExists('password_reset_tokens');
    Schema::dropIfExists('sessions');
}
};

```

Create_marks_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('marks', function (Blueprint $table) {
            $table->id();
            $table->foreignId('student_id')->constrained('users');
            $table->integer('mark1');
            $table->integer('mark2');
            $table->integer('mark3');
            $table->integer('mark4');
            $table->integer('mark5');
            $table->integer('total')->virtualAs('mark1 + mark2 + mark3 + mark4 + mark5');
            $table->integer('percentage')->virtualAs('total / 5');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('marks');
    }
}

```

```

    }
};

```

FormController.php

```

<?php

namespace App\Http\Controllers;

use App\Models\User;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Hash;

class FormController extends Controller
{
    //
    function login(Request $req){
        $cred = $req->validate([
            'email'=>'required|email',
            'password'=>'required|string'
        ]);
        Auth::attempt($cred);
        if(Auth::check()){
            $req->session()->put('user', Auth::user()->name);
            if(Auth::user()->type == 'student'){
                return redirect('student');
            }else{
                return redirect('teacher');
            }
        }
    }

    function logout(){
        session()->forget('user');
        return redirect('/');
    }

    function register(Request $req){
        $req->validate([
            'name'=>'required|string',
            'email'=>'required|email|unique:users,email',
            'password'=>'required',
            'type'=>'required|in:student,teacher'
        ]);

        $user = User::create($req->all());
        return redirect('/');
    }
}

```

```
}
```

StudentController.php

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use App\Models\Marks;
```

```
use App\Models\User;
```

```
use Illuminate\Http\Request;
```

```
use Illuminate\Support\Facades\Auth;
```

```
class StudentController extends Controller
```

```
{
```

```
//
```

```
function studentIndex(){
```

```
    $marks = Marks::where('student_id', Auth::user()->id)->first();
```

```
    return view('student', ['marks'=>$marks]);
```

```
}
```

```
function teacherIndex(){
```

```
    $markedStudents = User::where('type', 'student')
```

```
        ->join('marks', 'users.id', '=', 'marks.student_id')
```

```
        ->get();
```

```
    $unMarkedStudents = User::where('type', 'student')
```

```
        ->whereNotIn('id', Marks::pluck('student_id'))
```

```
        ->get();
```

```
    return view('teacher', ['markedStudents'=>$markedStudents,  
'unMarkedStudents'=>$unMarkedStudents]);
```

```
}
```

```
function addMark(Request $req){
```

```
    $val = $req->validate([
```

```
        'student_id'=>'required|exists:users,id',
```

```
        'mark1'=>'required|numeric|min:0|max:100',
```

```
        'mark2'=>'required|numeric|min:0|max:100',
```

```
        'mark3'=>'required|numeric|min:0|max:100',
```

```
        'mark4'=>'required|numeric|min:0|max:100',
```

```
        'mark5'=>'required|numeric|min:0|max:100'
```

```
    ];
```

```
    Marks::create($val);
```

```
    return redirect()->back();
```

```
}
```

```
function editMark($id){
```

```
    $mark = Marks::find($id);
```

```

        $student = User::find($mark->student_id);
        $markedStudents = User::where('type', 'student')
            ->join('marks', 'users.id', '=', 'marks.student_id')
            ->get();

        return view('teacher', ['mark'=>$mark, 'editStudent'=>$student,
            'markedStudents'=>$markedStudents]);
    }

    function updateMark(Request $req, $id){
        $val = $req->validate([
            'mark1'=>'required|numeric|min:0|max:100',
            'mark2'=>'required|numeric|min:0|max:100',
            'mark3'=>'required|numeric|min:0|max:100',
            'mark4'=>'required|numeric|min:0|max:100',
            'mark5'=>'required|numeric|min:0|max:100'
        ]);
        Marks::find($id)->update($val);
        return redirect('teacher');
    }

    function deleteMark($id){
        Marks::destroy($id);
        return redirect('teacher');
    }
}

```

Web.php

```
<?php
```

```

use App\Http\Controllers\FormController;
use App\Http\Controllers\StudentController;
use App\Http\Middleware\StudentMiddleware;
use App\Http\Middleware\TeacherMiddleware;
use Illuminate\Support\Facades\Route;

Route::get('/', function () {
    return view('login');
});
Route::post('/', [FormController::class, 'login']);
Route::get('/logout', [FormController::class, 'logout']);
Route::get('/register', function () {
    return view('register');
});
Route::post('/register', [FormController::class, 'register']);
Route::middleware(['auth', StudentMiddleware::class])->prefix('student')->group(function ()
{
    Route::get('/', [StudentController::class, 'studentIndex']->name('student'));

```

```

});
Route::middleware(['auth', TeacherMiddleware::class])->prefix('teacher')->group(function ()
{
    Route::get('/', [StudentController::class, 'teacherIndex'])->name('teacher');
    Route::post('/mark', [StudentController::class, 'addMark'])->name('mark.add');
    Route::get('/mark/{id}/edit', [StudentController::class, 'editMark'])->name('mark.edit');
    Route::put('/mark/{id}', [StudentController::class, 'updateMark'])->name('mark.update');
    Route::delete('/mark/{id}', [StudentController::class, 'deleteMark'])->name('mark.delete');
});

```

Login.blade.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Login</title>
    @vite('resources/css/app.css')
</head>
<body class="container p-1">
    <a href="/" class="btn btn-dark">Login</a>
    <a href="/register" class="btn btn-outline-dark">Register</a>
    <form id="myForm" action="/" method="post" class="w-50 mx-auto mt-5 needs-
validation" novalidate>
        @csrf

        @if ($errors->any())
            <div class="alert alert-danger">
                <ul>
                    @foreach ($errors->all() as $error)
                        <li>{{ $error }}</li>
                    @endforeach
                </ul>
            </div>
        @endif

        <div class="text-center h4">Login</div>

        <div class="mb-3">
            <label for="email" class="form-label">Enter your email</label>
            <input type="email" name="email" id="email" class="form-control" required />
            <div class="invalid-feedback">Please enter a valid email address.</div>
        </div>

        <div class="mb-3">
            <label for="password" class="form-label">Enter your password</label>

```

```

        <input type="password" name="password" id="password" class="form-control"
required minlength="5" />
        <div class="invalid-feedback">Password must be at least 5 characters long.</div>
    </div>

    <button type="submit" class="btn btn-dark">Submit</button>
</form>

</body>
</html>

```

Register.blase.php

```

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Registration</title>
    @vite('resources/css/app.css')
</head>

<body class="container p-1">
    <a href="/" class="btn btn-dark">Login</a>
    <a href="/register" class="btn btn-outline-dark">Register</a>
    <form id="myForm" action="/register" method="post" class="w-50 mx-auto mt-5 needs-
validation" novalidate>
        @csrf

        @if ($errors->any())
            <div class="alert alert-danger">
                <ul>
                    @foreach ($errors->all() as $error)
                        <li>{{ $error }}</li>
                    @endforeach
                </ul>
            </div>
        @endif

        <div class="text-center h4">Register</div>

        <div class="mb-3">
            <label for="name" class="form-label">Enter your name</label>
            <input type="text" name="name" id="name" class="form-control" required />
            <div class="invalid-feedback">Please enter your name.</div>
        </div>

        <div class="mb-3">

```



```

    <label for="email" class="form-label">Enter your email</label>
    <input type="email" name="email" id="email" class="form-control" required />
    <div class="invalid-feedback">Please enter a valid email address.</div>
</div>

<div class="mb-3">
    <label for="type" class="form-label">Select your role</label>
    <select name="type" id="type" class="form-select" required>
        <option value="">Select a role</option>
        <option value="teacher">Teacher</option>
        <option value="student">Student</option>
    </select>
    <div class="invalid-feedback">Please select your role.</div>
</div>

<div class="mb-3">
    <label for="password" class="form-label">Create a new password</label>
    <input type="password" name="password" id="password" class="form-control"
required minlength="5" />
    <div class="invalid-feedback">Password must be at least 5 characters long.</div>
</div>

<div class="mb-3">
    <label for="password_confirmation" class="form-label">Confirm your
password</label>
    <input type="password" name="password_confirmation"
id="password_confirmation" class="form-control"
required />
    <div class="invalid-feedback">Passwords do not match.</div>
</div>

<button type="submit" class="btn btn-dark">Submit</button>
</form>

<script>
document.addEventListener("DOMContentLoaded", function() {
    const form = document.getElementById("myForm");
    const password = document.getElementById("password");
    const passwordConfirmation = document.getElementById("password_confirmation");

    form.addEventListener("submit", function(event) {
        if (!form.checkValidity()) {
            event.preventDefault();
            event.stopPropagation();
        }

        if (password.value !== passwordConfirmation.value) {
            event.preventDefault();
            event.stopPropagation();
            passwordConfirmation.classList.add("is-invalid");

```

```

        passwordConfirmation.nextElementSibling.textContent = "Passwords do not
match.";
    } else {
        passwordConfirmation.classList.remove("is-invalid");
    }

    form.classList.add("was-validated");
});
});
</script>

</body>

</html>

```

teacher.blade.php

```

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Teacher</title>
    @vite('resources/css/app.css')
</head>

<body class="container">
    <div class="d-flex justify-content-between align-items-center mb-3">
        <h2>Welcome teacher {{ session('user') }}</h2>
        <a href="/logout" class="btn btn-danger">Logout</a>
    </div>
    @if ($errors->any())
        <div class="alert alert-danger col col-12">
            <ul>
                @foreach ($errors->all() as $error)
                    <li>{{ $error }}</li>
                @endforeach
            </ul>
        </div>
    @endif
    @if (request()->routeIs('mark.edit'))
        <h3>Edit student marks</h3>
    @else
        <h3>Add student marks</h3>
    @endif
    <form action="{{ { request()->routeIs('mark.edit') ? route('mark.update', request()->id) :
route('mark.add') }}"
        method="POST" class="mb-4 d-flex flex-row align-items-end gap-2">

```

```

@csrf
@if (request()->routeIs('mark.edit'))
    @method('PUT')
@endif
<div class="form-group col-3">
    <label for="student_id">Select student</label>
    <select class="form-select" id="student_id" name="student_id" required>
        @if (request()->routeIs('mark.edit'))
            <option value="{{ $editStudent->id }}">{{ $editStudent->name }}</option>
        @else
            <option value="">Select a student</option>
            @foreach ($unMarkedStudents as $student)
                <option value="{{ $student->id }}">{{ $student->name }}</option>
            @endforeach
        @endif
    </select>
</div>
<div class="form-group">
    <label for="mark1">Mark 1</label>
    <input type="number" class="form-control" id="mark1" name="mark1" value="{{
request()->routeIs('mark.edit') ? $mark->mark1 : " }}" required>
</div>
<div class="form-group">
    <label for="mark2">Mark 2</label>
    <input type="number" class="form-control" id="mark2" name="mark2" value="{{
request()->routeIs('mark.edit') ? $mark->mark2 : " }}" required>
</div>
<div class="form-group">
    <label for="mark3">Mark 3</label>
    <input type="number" class="form-control" id="mark3" name="mark3" value="{{
request()->routeIs('mark.edit') ? $mark->mark3 : " }}" required>
</div>
<div class="form-group">
    <label for="mark4">Mark 4</label>
    <input type="number" class="form-control" id="mark4" name="mark4" value="{{
request()->routeIs('mark.edit') ? $mark->mark4 : " }}" required>
</div>
<div class="form-group">
    <label for="mark5">Mark 5</label>
    <input type="number" class="form-control" id="mark5" name="mark5" value="{{
request()->routeIs('mark.edit') ? $mark->mark5 : " }}" required>
</div>
<button type="submit" class="btn btn-primary h-50">{{ request()->routeIs('mark.edit')
? 'Edit' : 'Add' }}</button>
</form>
<div class="row">
    <div class="table-responsive">
        <table class="table">
            <thead>

```

```

        <tr>
            <th scope="col">Student Name</th>
            <th scope="col">Mark 1</th>
            <th scope="col">Mark 2</th>
            <th scope="col">Mark 3</th>
            <th scope="col">Mark 4</th>
            <th scope="col">Mark 5</th>
            <th scope="col">Total</th>
            <th scope="col">Percentage</th>
            <th scope="col">Action</th>
        </tr>
    </thead>
    <tbody>
        @foreach ($markedStudents as $student)
            <tr>
                <td>{{ $student->name }}</td>
                <td>{{ $student->mark1 }}</td>
                <td>{{ $student->mark2 }}</td>
                <td>{{ $student->mark3 }}</td>
                <td>{{ $student->mark4 }}</td>
                <td>{{ $student->mark5 }}</td>
                <td>{{ $student->total }}</td>
                <td>{{ $student->percentage }}%</td>
                <td>
                    <a href="{{ route('mark.edit', $student->id) }}" class="btn btn-
warning">Edit</a>
                    <form action="{{ route('mark.delete', $student->id) }}" method="POST"
style="display:inline;">
                        @csrf
                        @method('DELETE')
                        <button type="submit" class="btn btn-danger">Delete</button>
                    </form>
                </td>
            </tr>
        @endforeach
    </tbody>
</table>
</div>

</div>
</body>

</html>

```

student.blade.php

```

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

<head>

```

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>marks</title>
@vite('resources/css/app.css')
</head>

<body class="container">
  <div class="d-flex justify-content-between align-items-center mb-3">
    <h2>Welcome student {{ session('user') }}</h2>
    <a href="/logout" class="btn btn-danger">Logout</a>
  </div>
  <div class="row">
    @if ($marks)
      <h3>View Your mark</h3>
      <div class="table-responsive">
        <table class="table">
          <thead>
            <tr>
              <th scope="col">Mark 1</th>
              <th scope="col">Mark 2</th>
              <th scope="col">Mark 3</th>
              <th scope="col">Mark 4</th>
              <th scope="col">Mark 5</th>
              <th scope="col">Total</th>
              <th scope="col">Percentage</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>{{ $marks->mark1 }}</td>
              <td>{{ $marks->mark2 }}</td>
              <td>{{ $marks->mark3 }}</td>
              <td>{{ $marks->mark4 }}</td>
              <td>{{ $marks->mark5 }}</td>
              <td>{{ $marks->total }}</td>
              <td>{{ $marks->percentage }}%</td>
            </tr>
          </tbody>
        </table>
      </div>
    @else
      <h3>Your mark is not published</h3>
    @endif
  </div>
</body>

</html>

```

Welcome teacher james

Logout

Add student marks

Select student Mark 1 Mark 2 Mark 3 Mark 4 Mark 5

Student Name	Mark 1	Mark 2	Mark 3	Mark 4	Mark 5	Total	Percentage	Action
Nathan	59	60	73	57	62	311	62%	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Welcome teacher james

Logout

Add student marks

Select student Mark 1 Mark 2 Mark 3 Mark 4 Mark 5

Student Name	Mark 1	Mark 2	Mark 3	Mark 4	Mark 5	Total	Percentage	Action
Rohit	92	94	84	79	82	431	86%	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Nathan	59	60	73	57	62	311	62%	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Welcome teacher james

Logout

Edit student marks

Select student Mark 1 Mark 2 Mark 3 Mark 4 Mark 5

Student Name	Mark 1	Mark 2	Mark 3	Mark 4	Mark 5	Total	Percentage	Action
Rohit	92	94	84	79	82	431	86%	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Nathan	59	60	73	57	62	311	62%	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Welcome student Rohit

Logout

View Your mark

Mark 1	Mark 2	Mark 3	Mark 4	Mark 5	Total	Percentage
90	96	85	80	82	433	87%

PORTFOLIO

CODE

```
<!DOCTYPE html>

<html lang="en" class="light">

<head>

  <meta charset="UTF-8">

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

  <link rel="icon" href="./assets/favicon.svg">

  <title>Portfolio - By Sreekesh K Prabhu</title>

  <!-- SEO -->

  <meta name="description" content="This is a free open source portfolio created by Sreekesh K Prabhu" />

  <meta name="keywords"

    content="Free portfolio, portfolio, Sreekesh K Prabhu, opensource portfolio, JavaScript, html, css" />

  <meta name="author" content="Sreekesh K Prabhu" />

  <meta property="og:title" content="Portfolio Template By Sreekesh K Prabhu" />

  <meta property="og:description"

    content="Checkout free and opensource portfolio template developed using html css and javascript" />

  <meta property="og:image" content="./assets/favicon.svg" />

  <meta property="og:url" content="https://sreekeshkprabhu.me" />

  <meta property="og:type" content="website" />

  <meta name="twitter:card" content="summary_large_image" />

  <meta name="twitter:title" content="Portfolio Template By Sreekesh K Prabhu" />

  <meta name="twitter:description"
```

```
content="Checkout free and opensource portfolio template developed using html css and
javascript" />
```

```
<meta name="twitter:image" content="/assets/favicon.svg" />
```

```
<link rel="icon" type="image/png" href="/assets/favicon.svg" />
```

```
<link rel="canonical" href="https://sreekeshkprabhu.me" />
```

```
<meta name="robots" content="index, follow" />
```

```
<meta name="language" content="English" />
```

```
<!-- SEO -->
```

```
<link rel="stylesheet" href="style.css">
```

```
<link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet">
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.7.2/css/all.min.css"
```

```
integrity="sha512-
Ev84Mr4kqVGRNSglGL/F/aIDqQb7xQ2vcrdlwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2lm1vVX0SVk9
ABhg=="
```

```
crossorigin="anonymous" referrerpolicy="no-referrer" />
```

```
<link rel="stylesheet" href="anim.css">
```

```
</head>
```

```
<body
```

```
class=" max-w-screen-2xl bg-gray-100 mx-auto min-h-screen font-popins-regular overflow-x-
hidden dark:bg-gray-900 dark:text-gray-400 text-gray-800">
```

```
<div id="cursor-small-dot" class="cursor-small-dot hidden">
```

```
</div>
```

```
<div id="cursor-big-dot" class="cursor-big-dot hidden">
```

```
</div>
```

```
<div class=" flex flex-col max-w-screen-xl mx-auto relative ">
```

```
<!-- SIDE BAR -->
```

```
<aside id="sidebar"
```

```
class=" top-0 left-0 h-[100svh] fixed z-20 w-full backdrop-blur-sm justify-start shadow-md bg-
slate-100 dark:bg-gray-900 relativet px-4 py-3 flex-col gap-5 hidden">
```



```

<div class=" flex items-center justify-end mb-2">
  <button id="close-btn" class=" font-popins-semibold text-sm hover:bg-gray-200 rounded-
full py-2 px-5"
    onclick="toggleMenu('close')">
    <i class="fa-solid fa-x"></i>
  </button>
</div>
<div class=" flex flex-1 h-full w-full">
  <ul class="flex h-full flex-col justify-start items-center w-full gap-5">
    <li class=" w-full">
      <a onclick="toggleMenu('close')" href="#hero"
        class=" w-full h-full px-2 py-4 rounded-full font-popins-semibold text-sm flex items-
center justify-center hover:bg-gray-200 ">
        Home
      </a>
    </li>
    <li class=" w-full ">
      <a onclick="toggleMenu('close')" href="#about"
        class=" w-full h-full px-2 py-4 rounded-full font-popins-semibold text-sm flex items-
center justify-center hover:bg-gray-200 ">
        About
      </a>
    </li>
    <li class=" w-full">
      <a onclick="toggleMenu('close')" href="#contact"
        class=" w-full h-full px-2 py-4 rounded-full font-popins-semibold text-sm flex items-
center justify-center hover:bg-gray-200 ">
        contact
      </a>
    </li>
    <li class=" w-full">

```

```

        <a onclick="toggleMenu('close')" href="#"
            class=" w-full h-full px-2 py-4 rounded-full font-popins-semibold text-sm flex items-
center justify-center hover:bg-gray-200 ">
            Close
        </a>
    </li>

</ul>
</div>
</aside>
<!-- SIDE BAR -->

<!-- NAVBAR HEADER-->
<header class=" mt-2 top-0 left-0 w-full sticky z-10" data-aos="fade-down" data-aos-
once="true">
    <nav
        class="flex rounded-2xl items-center py-2 px-5 shadow-lg bg-opacity-10 backdrop-blur-md
relative dark:border-2 dark:border-gray-800">
        <button name="toggle-theme" id="toggle-theme"
            class=" font-popins-semibold text-sm flex flex-1 justify-center ">
            It's <span class="font-popins-black text-xl"> ME!</span>

            <span class="hidden dark:inline"> <i class="fa-solid fa-moon"></i></span> <span
                class="dark:hidden inline"><i class="fa-solid fa-sun"></i></span>
        </button>
        <div class="flex-1 md:flex justify-around hidden">
            <a href="#hero" class=" font-popins-semibold text-sm flex items-center justify-center">
                <i class="fa-solid fa-house mr-2"></i>
                Home
            </a>
            <a href="#about" class=" font-popins-semibold text-sm flex items-center justify-center">
                About

```

```

        </a>

        <a href="#contact" class="font-popins-semibold text-sm flex items-center justify-
center">

            Contact

        </a>
    </div>

    <button id="open-btn" name="open-btn"

        class="relative font-popins-semibold text-sm items-center justify-center flex md:hidden
hover:bg-gray-200 py-2 px-4 rounded-full z-30"

        onclick="toggleMenu('open')">

        <i class="fa-solid fa-bars"></i>

    </button>

</nav>
</header>

<!-- NAVBAR HEADER-->

<!-- MAIN SECTION -->
<main class="flex-1">

    <!-- HERO BANNER -->

    <section class="h-[88svh] min-h-[400px] mt-2 mb-2 flex flex-col-reverse xl:flex-row relative "
id="hero">

        <!-- HERO BOTTOM/LEFT -->

        <div class="flex relative items-center justify-start xl:px-0 px-5 xl:justify-center h-full xl:flex-
1"

            data-aos="fade-right">

            <div>

                <h1 class="text-sm xl:text-base">

                    Hi there, its me! <br>

                    <span class="font-popins-black text-2xl xl:text-4xl tracking-wider">

                        GEORGE B GEORGE

                    </span>

                </h1>

```

```

<h2 class=" text-sm xl:text-base">
  I am a web developer!
</h2>
<div class=" text-xs xl:text-sm mt-2">
  <p class=" text-justify">I'm a passionate developer from India, constantly diving into
new
    tech challenges. My curiosity fuels daily discoveries and an endless quest for
    knowledge.</p>
</div>
<div class=" flex justify-start items-center gap-10 mt-2 flex-wrap">
  <a href="https://github.com/sreekesh-k" aria-label="Visit Sreekesh's GitHub profile"
    title="GitHub" target="_blank" rel="noopener noreferrer">
    <i class="fa-brands fa-github"></i>
  </a>
  <a href="mailto:sreekeshkprabhu.arp@gmail.com" aria-label="Send an email to
Sreekesh"
    title="Email">
    <i class="fa-solid fa-envelope"></i>
  </a>
  <a href="https://www.linkedin.com/in/sreekesh-k-prabhu-7b835124a"
    aria-label="Visit Sreekesh's LinkedIn profile" title="LinkedIn" target="_blank"
    rel="noopener noreferrer">
    <i class="fa-brands fa-linkedin"></i>
  </a>
  <a href="https://www.instagram.com/sreekesh_k_prabhu/"
    aria-label="Visit Sreekesh's Instagram profile" title="Instagram" target="_blank"
    rel="noopener noreferrer">
    <i class="fa-brands fa-instagram"></i>
  </a>
</div>
<!-- <div class="flex gap-3 xl:gap-5 items-center mt-2">
  <button class="mybtn py-2 h-10 flex gap-1 items-center justify-center text-center

```

```

        hover:scale-105 px-5 select-none w-full">

<span></span>

<span></span>

<span></span>

<span></span>

        <span class=" text-xs xl:text-base uppercase font-medium select-none">

            Download Resume

        </span>

    </button>

</div> -->

</div>

</div>

<!-- HERO BOTTOM/LEFT -->

<!-- HERO TOP/RIGHT -->

<div class="flex relative h-full xl:flex-1" data-aos="zoom-in">

    <div

        class="absolute w-1/2 -translate-x-1/2 -translate-y-1/2 blob aspect-square bg-black
dark:bg-gray-800 top-1/2 left-1/2">

    </div>

    </div>

<!-- HERO TOP/RIGHT -->

</section>

<!-- HERO BANNER -->

<!-- ABOUT -->

<section

```

```

class="mt-2 mb-2 flex xl:flex-row-reverse flex-col text-center items-center py-5 px-5
relative overflow-hidden"
id="about">
<div data-aos="fade-up">
  <h1 class=" font-popins-black text-2xl md:text-4xl"><span
    class=" text-border dark:text-gray-300">ABOUT</span> ME</h1>
  <div class=" text-justify mt-5">
    <p><span class="font-popins-bold underline tracking-tighter">Whoami?</span>
      visit my
      <a href="https://sreekeshkprabhu.me/" target="_blank" rel="noopener noreferrer"
        aria-label="sreekesh k prabhu" title="sreekesh"
        class=" tracking-tighter font-popins-black underline">
        portfolio
      </a>
      to know more
    <br>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Autem, consectetur
    necessitatibus,
    suscipit quod, dolor voluptate ipsa architecto dolores nostrum excepturi qui
    perspiciatis
    aperiam obcaecati ducimus tempore vel eius ut labore.
  </p>
</div>
<div class=" text-justify mt-5">
  <p><span class="font-popins-bold underline tracking-
    tighter">EducationQualification</span>
    Lorem ipsum dolor sit amet consectetur, adipisicing elit. Assumenda molestias
    consequatur
    perspiciatis totam officia tenetur explicabo nulla repellendus tempore sunt corporis
    unde
    quas
    ullam, hic ipsum asperiores deleniti. Sapiente, libero.</p>
</div>

```

```

</div>

<!-- SKILLS -->

<!-- MIN 6 ITEMS IN EACH SECTION-->

<div class="flex flex-col items-center mt-10 px-5" data-aos="fade-up">

  <!-- BASE -->

  <div class="scroller max-w-md md:max-w-xl xl:max-w-2xl" data-speed="fast">

    <ul

      class="tag-list scroller__inner font-popins-semibold tracking-tighter uppercase text-
sm md:text-base xl:text-xl">

        <li><i class="fa-brands fa-html5"></i>HTML</li>

        <li><i class="fa-brands fa-css"></i>CSS</li>

        <li><i class="fa-brands fa-js"></i>JS</li>

        <li><i class="fa-brands fa-php"></i>PHP</li>

        <li><i class="fa-brands fa-java"></i>JAVA</li>

        <li><i class="fa-brands fa-python"></i>PYTHON</li>

      </ul>

    </div>

  <!-- BASE -->

  <!-- FRAMEWORK -->

  <div class="scroller max-w-md md:max-w-xl xl:max-w-2xl" data-speed="slow" data-
direction="right">

    <ul

      class="tag-list scroller__inner font-popins-semibold tracking-tighter uppercase text-
sm md:text-base xl:text-xl">

        <li><i class="fa-brands fa-react"></i>React</li>

        <li><i class="fa-brands fa-node"></i>Node</li>

        <li><i class="fa-brands fa-python"></i>Django</li>

        <li><i class="fa-brands fa-php"></i>Laravel</li>

        <li><i class="fa-brands fa-c"></i>Asp.Net</li>

```

```

        <li><i class="fa-brands fa-s"></i>SvelteKit</li>
    </ul>
</div>

<!-- FRAMEWORK -->

<!-- DEVOPS -->

<div class="scroller max-w-md md:max-w-xl xl:max-w-2xl" data-speed="fast" data-
direction="left">
    <ul
        class="tag-list scroller__inner font-popins-semibold tracking-tighter uppercase text-
sm md:text-base xl:text-xl">
        <li><i class="fa-brands fa-git"></i>GIT</li>
        <li><i class="fa-brands fa-docker"></i>docker</li>
        <li><i class="fa-brands fa-k"></i>kubernetes</li>
        <li><i class="fa-brands fa-github"></i>Github</li>
        <li><i class="fa-brands fa-aws"></i>aws</li>
        <li><i class="fa-brands fa-a"></i>Azure</li>
    </ul>
</div>

<!-- DEVOPS -->

</div>

</section>

<!-- ABOUT -->

<!-- Experience -->

<section class=" mt-2 mb-2 flex flex-col items-center py-5 px-5 relative overflow-hidden"
id="expirence">
    <h1 class=" font-popins-black text-2xl md:text-4xl mb-10" data-aos="fade-up">Work<span
        class=" text-border dark:text-gray-300"> Experience</span>
    </h1>

    <div class="flex xl:gap-0 gap-2 w-full flex-col lg:flex-row ">

```



```

<!-- Experience1 -->

<div class="border-2 border-black dark:border-gray-800 h-64 md:h-80 aspect-square px-5
py-5 flex flex-col w-full justify-center"

data-aos="fade-up">

<div class=" flex gap-2 text-base md:text-xl xl:text-2xl font-popins-semibold items-
center">

    <div>

        <i class="fa-solid fa-desktop"></i>

    </div>

    <div>

        <h2>

            Software Developer DotNetCore

        </h2>

    </div>

</div>

</div>

<div class=" text-sm md:text-base mt-5">

    <div class="text-gray-500">

        &lt;h3>

    </div>

    <div class=" text-justify flex">

        <p class="ml-5 pl-2 border-l border-l-gray-500 py-3">

            Experienced in both functional and OOP: Dart, Python, Java, JavaScript,
TypeScript.

        </p>

    </div>

    <div class="text-gray-500">

        &lt;h3>

    </div>

</div>

```

```

</div>

<!-- Experience2 -->

<div class="border-2 border-black dark:border-gray-800 h-64 md:h-80 aspect-square px-
5 py-5 flex flex-col w-full justify-center"
  data-aos="fade-up">
  <div class=" flex gap-2 text-base md:text-xl xl:text-2xl font-popins-semibold items-
center">

    <div>
      <i class="fa-brands fa-flutter"></i>
    </div>
    <div>
      <h2>
        Flutter Developer Android,IOS

      </h2>
    </div>
  </div>

  <div class=" text-sm md:text-base mt-5">
    <div class="text-gray-500">
      &lt;h3&gt;
    </div>
    <div class=" text-justify flex justify-center items-center">
      <p class="ml-5 pl-2 border-l border-l-gray-500 py-3 ">
        Skilled in developing hybrid mobile apps and cross-platform solutions using the
        Flutter framework.
      </p>
    </div>
  </div>
  <div class="text-gray-500">
    &lt;h3&gt;

```

```

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

<!-- Experience3 -->
<div class="border-2 border-black dark:border-gray-800 h-64 md:h-80 aspect-square px-
5 py-5 flex flex-col w-full justify-center"
    data-aos="fade-up">
    <div class=" flex gap-2 text-base md:text-xl xl:text-2xl font-popins-semibold items-
center">
        <div>
            <i class="fa-brands fa-react"></i>
        </div>
        <div>
            <h2>
                Frontend Dev ReactJs, NextJs
            </h2>
        </div>
    </div>
</div>

<div class=" text-sm md:text-base mt-5">
    <div class="text-gray-500">
        &lt;h3>
    </div>
    <div class=" text-justify flex justify-center items-center">
        <p class="ml-5 pl-2 border-l border-l-gray-500 py-3">
            Skilled in developing hybrid mobile apps and cross-platform solutions using the
            Flutter
            framework.
        </p>
    </div>
</div>

```

```

        <div class="text-gray-500">
            &lt;h3&gt;
        </div>
    </div>
</div>

</div>
</section>
<!-- Experience -->

<!-- LatestWork -->
<section class="flex mt-2 mb-2 flex-col justify-center py-5 px-5 relative overflow-hidden">
    <div class="flex items-center w-full text-center gap-2 mb-5" data-aos="fade-up">
        <div class="h-[.1rem] bg-gray-400 dark:bg-gray-500 flex-1"></div>
        <div class="text-gray-500 ">some of my latest work</div>
        <div class="h-[.1rem] bg-gray-400 dark:bg-gray-500 flex-1"></div>
    </div>

    <div class=" flex flex-col lg:flex-row w-full">

        <div class="grid grid-cols-1 md:grid-cols-3 gap-8 w-full">
            <!-- project1 -->
            <a href="#" data-aos="fade-up"
                class="group border-2 dark:border-gray-700 p-4 rounded-lg hover:shadow-lg
                hover:scale-105 transition duration-300">
                <div class="overflow-hidden">
                    
                </div>
                <h2 class="text-base font-popins-bold">project-1</h2>

```

```

    <p class="text-sm mt-2">
        Lorem ipsum dolor sit amet, consectetur adipisicing elit. Veritatis facilis quae,
        quaerat vero asperiores eum quod voluptas et? Sunt, dolore in illo libero a
possimus
        voluptatem delectus. Quos, modi unde!
    </p>
    <p class="float-right "><i class=" fa-solid fa-code"></i></i></p>
</a>
<!-- project2 -->
<a href="#" data-aos="fade-up"
class="group border-2 dark:border-gray-700 p-4 rounded-lg hover:shadow-lg
hover:scale-105 transition duration-300">
    <div class="overflow-hidden">
        
    </div>
    <h2 class="text-base font-popins-bold">project-2</h2>

    <p class="text-sm mt-2">
        Lorem, ipsum dolor sit amet consectetur adipisicing elit. Omnis, qui officia
obcaecati
        quod laborum rem itaque, mollitia atque, labore accusantium similique maiores
amet
        quisquam error. Nobis harum esse officiis aliquid!
    </p>
    <p class="float-right "><i class=" fa-solid fa-code"></i></i></p>
</a>
<!-- project3 -->
<a href="#" data-aos="fade-up"
class="group border-2 dark:border-gray-700 p-4 rounded-lg hover:shadow-lg
hover:scale-105 transition duration-300">
    <div class="overflow-hidden">

```

```

        
    </div>

    <h2 class="text-base font-popins-bold">project-3</h2>

    <p class="text-sm mt-2">
        Lorem ipsum dolor sit amet consectetur adipisicing elit. Quidem, dolore quis, fugit
        sapiente necessitatibus dolores, ex numquam voluptates iste autem rem quam
repellendus
        velit eveniet? Quidem corrupti excepturi dolorum a?
    </p>
    <p class="float-right "><i class=" fa-solid fa-code"></i></i></p>
    </a>

</div>

</div>
</section>
<!-- LatestWork -->

<!-- Github contribution -->
<section class=" mt-2 mb-2 flex flex-col items-center py-5 px-5 relative overflow-hidden"
    id="githubcontrib" data-aos="fade-up">
    <div class="w-full rounded-lg border-2 dark:border-gray-600 p-4 md:p-6 ">
        <div class="flex flex-col md:flex-row relative justify-center">
            <div class="flex justify-center items-center gap-2">
                <h1 class=" font-popins-black text-2xl md:text-4xl">Github<span
                    class=" text-border dark:text-gray-300">
                        Contributions</span>
            </h1>
            <div class="group"><i class="fa-solid fa-circle-question"></i>

```

```

<div id="chart-info"
      class="absolute z-10 top-0 right-0 text-sm text-gray-500 transition-opacity
duration-300 bg-white border border-gray-200 rounded-lg shadow-xs hidden w-72 dark:bg-gray-800
dark:border-gray-600 dark:text-gray-400 group-hover:inline-block">

  <div class="p-3 space-y-2">

    <h3 class="font-semibold">Contributions</h3>

    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sit necessitatibus
      repudiandae
      magni, nostrum consequatur modi repellat neque rerum qui, sunt
      deserunt et autem laudantium possimus cumque expedita distinctio
      accusantium
      dolorum!</p>

    <h3 class="font-semibold text-gray-900 dark:text-white">Personal
Contributions

    </h3>

    <p>This shows most used languages on my personal GitHub profile</p>
  </div>
</div>
</div>
</div>
</div>
<!-- Pi Chart -->

<div class="py-6 dark:text-white" id="pie-chart"></div>
</div>
</section>

<!-- Github contribution -->

<!-- Contact -->

<section class="flex mt-2 mb-2 flex-col items-center justify-center py-5 px-5 relative overflow-
hidden"
  data-aos="zoom-in" id="contact">

  <h1 class="font-popins-black text-2xl md:text-4xl"><span
    class="text-border dark:text-gray-300 uppercase">Contact</span>
    ME</h1>

```

```

<form class="w-full py-2 px-2 ">

  <div class="mb-4">

    <label class="block text-gray-700 font-popins-medium mb-2"
for="name">Name</label>

    <input

      class="w-full px-4 py-2 border border-gray-500 rounded-lg focus:outline-none
focus:ring-2 focus:ring-gray-800 bg-transparent"

      type="text" id="name" placeholder="Enter your name" required>

    </div>

    <div class="mb-4">

      <label class="block text-gray-700 font-popins-medium mb-2"
for="email">Email</label>

      <input

        class="w-full px-4 py-2 border border-gray-500 rounded-lg focus:outline-none
focus:ring-2 focus:ring-gray-800 bg-transparent"

        type="email" id="email" placeholder="Enter your email" required>

      </div>

      <div class="mb-4">

        <label class="block text-gray-700 font-popins-medium mb-2"
for="password">Comments (if
          any)</label>

        <input

          class="w-full px-4 py-2 border border-gray-500 rounded-lg focus:outline-none
focus:ring-2 focus:ring-gray-800 bg-transparent"

          type="text" placeholder="This is a cool website!" required>

        </div>

        <button id="submit" name="submit"

          class="w-full bg-gray-900 text-white dark:text-gray-900 dark:bg-gray-300 py-2
rounded-lg hover:bg-gray-700 transition mt-2">Submit

        </button>

      </form>

</section>

<!-- Contact -->

```



```

    </main>

    <!-- MAIN SECTION -->

</div>

<!-- FOOTER SECTION -->

<footer class=" flex flex-col relative mt-10 bg-black w-full items-center justify-center py-2 px-3
gap-4">

    <!-- FOOTER LINKS -->

    <div class=" flex justify-center gap-4 md:gap-10 items-center text-white w-1/2 mt-5">

        <a href="https://github.com/sreekesh-k" aria-label="Visit Sreekesh's GitHub profile"
title="GitHub"

            target="_blank" rel="noopener noreferrer" class="flex items-center justify-center text-xs
gap-1">

                <i class="fa-brands fa-github"></i>

                <div>Github</div>

        </a>

        <a href="mailto:sreekeshkprabhu.arp@gmail.com" aria-label="Send an email to Sreekesh"
title="Email"

            class="flex items-center justify-center text-xs gap-1">

                <i class="fa-solid fa-envelope"></i>

                <div>Gmail</div>

        </a>

        <a href="https://www.linkedin.com/in/sreekesh-k-prabhu-7b835124a"

            aria-label="Visit Sreekesh's LinkedIn profile" title="LinkedIn" target="_blank"

            rel="noopener noreferrer" class="flex items-center justify-center text-xs gap-1">

                <i class="fa-brands fa-linkedin"></i>

                <div>Linkdin</div>

        </a>

        <a href="https://www.instagram.com/sreekesh_k_prabhu/" aria-label="Visit Sreekesh's
Instagram profile"

            title="Instagram" target="_blank" rel="noopener noreferrer"

            class="flex items-center justify-center text-xs gap-1">

```

```

        <i class="fa-brands fa-instagram"></i>
        <div>Instagram</div>
    </a>
</div>
<!-- FOOTER COPY -->
<div class=" flex justify-around items-center text-white lg:w-1/2 w-11/12">
    <p class="text-[.5rem] md:text-xs text-center">&copy;copyright - all right reserved 2025<br>
        This is a free portfolio template created by Sreekesh K Prabhu
    </p>
</div>

</footer>
<!-- FOOTER SECTION -->

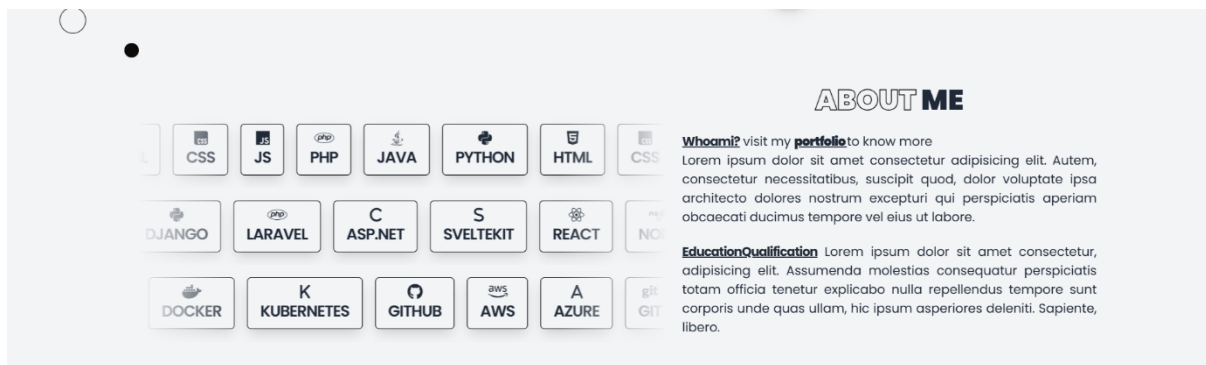
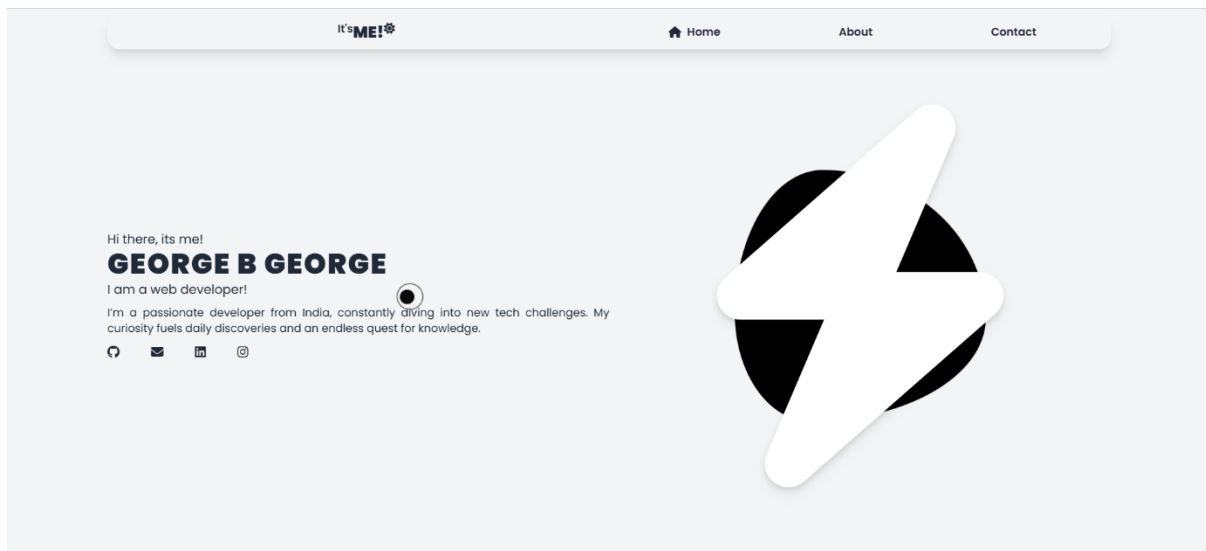
</body>

</html>

<script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>
<script src="https://cdn.jsdelivr.net/npm/apexcharts@3.46.0/dist/apexcharts.min.js"></script>
<script>
    AOS.init({
        duration: 1000,
        easing: 'ease',
        once: false,
    });
</script>
<script src="script.js"></script>

```

OUTPUT



PROJECT: Book store management

Title :bookly

Bookly is an e-commerce website developed using Laravel, designed to facilitate the seamless purchase of books online. The platform provides a user-friendly interface where customers can browse, search, and buy books across various categories. Users can create accounts, manage their profiles, add books to their cart, and complete purchases through a secure checkout process.

On the administrative side, the platform includes a robust admin panel that allows the administrator to manage users, add and update book listings, and track orders. The system ensures efficient inventory management and order processing, enabling smooth operations for both users and administrators.

By leveraging Laravel's powerful features, **Bookly** ensures security, scalability, and performance, making it a reliable and efficient solution for online book shopping.

Overview

Feature

users

1)login

2)registration

3)cart

4)contact

6)order book

Admin

1)login

2)registration

3)view order

4)view users

5)delete users

Technical stack

Backend:php

Frontend:html,css,javascript

Framework:Laravel

Code

Web route

<?php

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\UserController;
use App\Http\Controllers\ProductController;
use App\Http\Controllers\OrderController;
use App\Http\Controllers\CartController;
use App\Http\Controllers\MessageController;
use App\Http\Controllers\Admin\AdminController;
use App\Http\Controllers\ShopController;
use App\Http\Controllers\SearchController;
use App\Http\Controllers\Auth\LogoutController;
```

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

// Admin routes

```
Route::prefix('admin')->name('admin.')->group(function () {
    Route::get('/dashboard', [AdminController::class, 'dashboard'])->name('dashboard');
    Route::get('/orders', [AdminController::class, 'orders'])->name('orders');
    Route::post('/orders/update', [AdminController::class, 'updateOrder'])->name('orders.update');
    Route::get('/orders/delete/{id}', [AdminController::class, 'deleteOrder'])->name('orders.delete');
    Route::get('/users', [AdminController::class, 'users'])->name('users');
    Route::get('/users/delete/{id}', [AdminController::class, 'deleteUser'])->name('users.delete');
    Route::get('/products', [AdminController::class, 'products'])->name('products');
    Route::post('/products/store', [AdminController::class, 'storeProduct'])->name('products.store');
    Route::post('/products/update/{id}', [AdminController::class, 'updateProduct'])->
    >name('products.update');
```

```
Route::get('/products/delete/{id}', [AdminController::class, 'deleteProduct'])->name('products.delete');
```

```
Route::get('/contacts', [AdminController::class, 'contacts'])->name('contacts');
```

```
Route::get('/contacts/delete/{id}', [AdminController::class, 'deleteContact'])->name('contacts.delete');
```

```
});
```

```
// Shop routes
```

```
Route::get('shop', [ShopController::class, 'index']);
```

```
Route::post('add_to_cart', [ShopController::class, 'addToCart']);
```

```
// Search routes
```

```
Route::post('/search', [SearchController::class, 'index'])->name('search');
```

```
Route::post('search_page', [SearchController::class, 'index']);
```

```
Route::post('add_to_cart', [SearchController::class, 'addToCart']);
```

```
// Order routes
```

```
Route::get('orders', [OrderController::class, 'index']);
```

```
// Logout route
```

```
Route::get('logout', [LogoutController::class, 'logout']);
```

```
// Home route
```

```
Route::get('/', function () {
```

```
    return view('home');
```

```
})->name('home');
```

```
// User routes
```

```
Route::get('/register', [UserController::class, 'showRegisterForm'])->name('register');
```

```
Route::post('/register/control', [UserController::class, 'register']);
```

```
Route::get('/login', [UserController::class, 'showLoginForm'])->name('login');
```

```
Route::post('/login/control', [UserController::class, 'login']);
```

```

Route::get('/logout', [UserController::class, 'logout'])->name('logout');

// Product routes
Route::get('/shop', [ProductController::class, 'index'])->name('shop');
Route::get('/product/{id}', [ProductController::class, 'show'])->name('product.show');

// Cart routes
Route::get('/cart', [CartController::class, 'index'])->name('cart');
Route::post('/cart/add', [CartController::class, 'add'])->name('cart.add');
Route::post('/cart/update', [CartController::class, 'update'])->name('cart.update');
Route::get('/cart/delete/{id}', [CartController::class, 'delete'])->name('cart.delete');
Route::get('/cart/clear', [CartController::class, 'clear'])->name('cart.clear');

// Order routes
Route::get('/orders', [OrderController::class, 'index'])->name('orders');
Route::post('/order/place', [OrderController::class, 'place'])->name('order.place');
Route::get('/checkout', [OrderController::class, 'checkout'])->name('checkout');

// Message routes
Route::get('/contact', [MessageController::class, 'showContactForm'])->name('contact');
Route::post('/contact', [MessageController::class, 'send'])->name('contact.send');
Route::resource('messages', MessageController::class);
Route::post('/send_message', [MessageController::class, 'sendMessage'])->name('send_message');

// About route
Route::get('/about', function () {
    return view('about');
})->name('about');

// Shop route
Route::get('/shop', [ShopController::class, 'index']);

```

Migration

Users

<?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();
```

```
        });
```

```
        Schema::create('password_reset_tokens', function (Blueprint $table) {
```

```
            $table->string('email')->primary();
```

```
            $table->string('token');
```

```
            $table->timestamp('created_at')->nullable();
```

```
        });
```



```

Schema::create('sessions', function (Blueprint $table) {
    $table->string('id')->primary();
    $table->foreignId('user_id')->nullable()->index();
    $table->string('ip_address', 45)->nullable();
    $table->text('user_agent')->nullable();
    $table->longText('payload');
    $table->integer('last_activity')->index();
});
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('users');
    Schema::dropIfExists('password_reset_tokens');
    Schema::dropIfExists('sessions');
}
};

```

Cache

<?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('cache', function (Blueprint $table) {
        $table->string('key')->primary();
        $table->mediumText('value');
        $table->integer('expiration');
    });

    Schema::create('cache_locks', function (Blueprint $table) {
        $table->string('key')->primary();
        $table->string('owner');
        $table->integer('expiration');
    });
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('cache');
    Schema::dropIfExists('cache_locks');
}
};

Jobs
<?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('jobs', function (Blueprint $table) {
            $table->id();
            $table->string('queue')->index();
            $table->longText('payload');
            $table->unsignedTinyInteger('attempts');
            $table->unsignedInteger('reserved_at')->nullable();
            $table->unsignedInteger('available_at');
            $table->unsignedInteger('created_at');
        });

        Schema::create('job_batches', function (Blueprint $table) {
            $table->string('id')->primary();
            $table->string('name');
            $table->integer('total_jobs');
            $table->integer('pending_jobs');
            $table->integer('failed_jobs');
            $table->longText('failed_job_ids');
            $table->mediumText('options')->nullable();
            $table->integer('cancelled_at')->nullable();
            $table->integer('created_at');
        });
    }
};

```

```

        $table->integer('finished_at')->nullable();
    });

    Schema::create('failed_jobs', function (Blueprint $table) {
        $table->id();
        $table->string('uuid')->unique();
        $table->text('connection');
        $table->text('queue');
        $table->longText('payload');
        $table->longText('exception');
        $table->timestamp('failed_at')->useCurrent();
    });
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::dropIfExists('jobs');
    Schema::dropIfExists('job_batches');
    Schema::dropIfExists('failed_jobs');
}
};

```

AddTotalPriceToOrdersTable

<?php

```

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

```

```

class AddTotalPriceToOrdersTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::table('orders', function (Blueprint $table) {
            $table->decimal('total_price', 8, 2)->after('some_existing_column')->nullable();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::table('orders', function (Blueprint $table) {
            $table->dropColumn('total_price');
        });
    }
}

Product table
<?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()
    {
        Schema::create('products', function (Blueprint $table) {
            $table->id();
            $table->string('name');
            $table->integer('price');
            $table->string('image');
            $table->timestamps();
        });
    }

    public function down()
    {
        Schema::dropIfExists('products');
    }
};

```

Orders table

```
<?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()
    {
        Schema::create('orders', function (Blueprint $table) {
            $table->id();
            $table->unsignedBigInteger('user_id');
            $table->string('name');
            $table->string('number', 12);
            $table->string('email');
            $table->string('method');
            $table->string('address');
            $table->string('total_products');
            $table->integer('total_price');
            $table->string('placed_on');
            $table->string('payment_status')->default('pending');
            $table->timestamps();

            $table->foreign('user_id')->references('id')->on('users')->onDelete('cascade');
        });
    }

    public function down()
    {
        Schema::dropIfExists('orders');
    }
}

```

```
};
```

Cart table

```
<?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()
```

```
{
```

```
    Schema::create('cart', function (Blueprint $table) {
```

```
        $table->id();
```

```
        $table->unsignedBigInteger('user_id');
```

```
        $table->string('name');
```

```
        $table->integer('price');
```

```
        $table->integer('quantity');
```

```
        $table->string('image');
```

```
        $table->timestamps();
```

```
        $table->foreign('user_id')->references('id')->on('users')->onDelete('cascade');
```

```
    });
```

```
}
```

```
public function down()
```

```
{
```



```

        Schema::dropIfExists('cart');
    }
};

Message
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class Messages extends Migration
{
    public function up()
    {
        Schema::create('messages', function (Blueprint $table) {
            $table->id();
            $table->unsignedBigInteger('user_id');
            $table->string('name');
            $table->string('email');
            $table->string('number', 12);
            $table->string('message', 500);
            $table->timestamps();

            $table->foreign('user_id')->references('id')->on('users')->onDelete('cascade');
        });
    }

    public function down()
    {
        Schema::dropIfExists('messages');
    }
}

```

```

    }
};

Add user_id

<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::table('orders', function (Blueprint $table) {
            $table->unsignedBigInteger('user_id')->nullable()->after('id');
            $table->foreign('user_id')->references('id')->on('users')->onDelete('cascade');
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()

```

```

{
    Schema::table('orders', function (Blueprint $table) {
        $table->dropForeign(['user_id']);
        $table->dropColumn('user_id');
    });
}
};
Modles
Cart
<?php

```

```

namespace App\Models;

use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\Factories\HasFactory;

class Cart extends Model
{
    use HasFactory;

    protected $fillable = [
        'user_id',
        'name',
        'price',
        'quantity',
        'image',
    ];

    public function user()
    {
        return $this->belongsTo(User::class);
    }
}

```

```
}
```

Message

```
<?php
```

```
namespace App\Models;
```

```
use Illuminate\Database\Eloquent\Model;
```

```
use Illuminate\Database\Eloquent\Factories\HasFactory;
```

```
class Message extends Model
```

```
{
```

```
    use HasFactory;
```

```
    protected $fillable = [
```

```
        'user_id',
```

```
        'name',
```

```
        'email',
```

```
        'number',
```

```
        'message',
```

```
    ];
```

```
    public function user()
```

```
    {
```

```
        return $this->belongsTo(User::class);
```

```
    }
```

```
}
```

Message

```
<?php
```

```
namespace App\Models;

use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\Factories\HasFactory;

class Order extends Model
{
    use HasFactory;

    protected $fillable = [
        'user_id',
        'name',
        'number',
        'email',
        'method',
        'address',
        'total_products',
        'total_price',
        'placed_on',
        'payment_status',
    ];

    public function user()
    {
        return $this->belongsTo(User::class);
    }
}

Product
<?php
```

```
namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
```

```
class Product extends Model
```

```
{
    use HasFactory;

    protected $fillable = [
        'name',
        'price',
        'image',
    ];
}
```

```
Users
```

```
<?php
```

```
namespace App\Models;

// use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Notifications\Notifiable;
```

```
class User extends Authenticatable
```

```
{
    /** @use HasFactory<\Database\Factories\UserFactory> */
    use HasFactory, Notifiable;
```

```
/**
 * The attributes that are mass assignable.
 *
 * @var list<string>
 */
protected $fillable = [
    'name',
    'email',
    'password',
];

/**
 * The attributes that should be hidden for serialization.
 *
 * @var list<string>
 */
protected $hidden = [
    'password',
    'remember_token',
];

/**
 * Get the attributes that should be cast.
 *
 * @return array<string, string>
 */
protected function casts(): array
{
    return [
        'email_verified_at' => 'datetime',
    ];
}
```

```

        'password' => 'hashed',
    ];
}
}

```

Kernel.php

```
<?php
```

```
namespace App\Http;
```

```
use Illuminate\Foundation\Http\Kernel as HttpKernel;
```

```
class Kernel extends HttpKernel
```

```
{
```

```
    protected $middleware = [
```

```
        \Illuminate\Foundation\Http\Middleware\CheckForMaintenanceMode::class,
```

```
        \Illuminate\Foundation\Http\Middleware\ValidatePostSize::class,
```

```
        \App\Http\Middleware\TrimStrings::class,
```

```
        \Illuminate\Foundation\Http\Middleware\ConvertEmptyStringsToNull::class,
```

```
        \App\Http\Middleware\TrustProxies::class,
```

```
    ];
```

```
    protected $middlewareGroups = [
```

```
        'web' => [
```

```
            \App\Http\Middleware\EncryptCookies::class,
```

```
            \Illuminate\Cookie\Middleware\AddQueuedCookiesToResponse::class,
```

```
            \Illuminate\Session\Middleware\StartSession::class,
```

```
            \Illuminate\View\Middleware\ShareErrorsFromSession::class,
```

```
            \App\Http\Middleware\VerifyCsrfToken::class,
```

```
            \Illuminate\Routing\Middleware\SubstituteBindings::class,
```

```
            \App\Http\Middleware\ShareCartCount::class, // Custom middleware

```



```

    ],

    'api' => [
        'throttle:api',
        \Illuminate\Routing\Middleware\SubstituteBindings::class,
    ],
];

protected $routeMiddleware = [
    'auth' => \App\Http\Middleware\Authenticate::class,
    'auth.basic' => \Illuminate\Auth\Middleware\AuthenticateWithBasicAuth::class,
    'cache.headers' => \Illuminate\Http\Middleware\SetCacheHeaders::class,
    'can' => \Illuminate\Auth\Middleware\Authorize::class,
    'guest' => \App\Http\Middleware\RedirectIfAuthenticated::class,
    'password.confirm' => \Illuminate\Auth\Middleware\RequirePassword::class,
    'signed' => \Illuminate\Routing\Middleware\ValidateSignature::class,
    'throttle' => \Illuminate\Routing\Middleware\ThrottleRequests::class,
    'verified' => \Illuminate\Auth\Middleware\EnsureEmailsVerified::class,
];
}

```

Controllers

Admin

AdminController

```
<?php
```

```
namespace App\Http\Controllers\Admin;
```

```
use App\Http\Controllers\Controller;
```

```
use Illuminate\Http\Request;
```

```
use App\Models\Order;
```

```

use App\Models\Product;

use App\Models\User;

use App\Models\Message;

class AdminController extends Controller
{
    public function dashboard()
    {
        $total_pendings = Order::where('payment_status', 'pending')->sum('total_price');
        $total_completed = Order::where('payment_status', 'completed')->sum('total_price');
        $number_of_orders = Order::count();
        $number_of_products = Product::count();
        $number_of_users = User::where('user_type', 'user')->count();
        $number_of_admins = User::where('user_type', 'admin')->count();
        $number_of_account = User::count();
        $number_of_messages = Message::count();

        return view('admin_page', compact(
            'total_pendings',
            'total_completed',
            'number_of_orders',
            'number_of_products',
            'number_of_users',
            'number_of_admins',
            'number_of_account',
            'number_of_messages'
        ));
    }

    public function orders()
    {

```

```
$orders = Order::all();  
return view('admin_orders', compact('orders'));  
}  
  
public function updateOrder(Request $request)  
{  
    $order = Order::findOrFail($request->order_id);  
    $order->payment_status = $request->update_payment;  
    $order->save();  
  
    return redirect()->back()->with('message', 'Payment status has been updated!');  
}  
  
public function deleteOrder($id)  
{  
    Order::destroy($id);  
    return redirect()->back();  
}  
  
public function users()  
{  
    $users = User::all();  
    return view('admin_users', compact('users'));  
}  
  
public function deleteUser($id)  
{  
    User::destroy($id);  
    return redirect()->back();  
}
```

```
public function products()
{
    $products = Product::all();
    return view('admin_products', compact('products'));
}

public function storeProduct(Request $request)
{
    $request->validate([
        'name' => 'required|string',
        'price' => 'required|numeric',
        'image' => 'required|image|max:2048',
    ]);

    $image = $request->file('image')->store('uploaded_img', 'public');

    Product::create([
        'name' => $request->name,
        'price' => $request->price,
        'image' => $image
    ]);

    return redirect()->back()->with('message', 'Product added successfully!');
}

public function updateProduct(Request $request, $id)
{
    $product = Product::findOrFail($id);

    $request->validate([
        'name' => 'required|string',
```

```

        'price' => 'required|numeric',
        'image' => 'nullable|image|max:2048',
    ]);

    if ($request->hasFile('image')) {
        $image = $request->file('image')->store('uploaded_img', 'public');
        $product->update([
            'name' => $request->name,
            'price' => $request->price,
            'image' => $image
        ]);
    } else {
        $product->update([
            'name' => $request->name,
            'price' => $request->price,
        ]);
    }

    return redirect()->back()->with('message', 'Product updated successfully!');
}

public function deleteProduct($id)
{
    Product::destroy($id);
    return redirect()->back();
}

public function contacts()
{
    $messages = Message::all();
    return view('admin_contacts', compact('messages'));
}

```

```

    }

    public function deleteContact($id)
    {
        Message::destroy($id);
        return redirect()->back();
    }
}

```

Product controller

```
<?php
```

```

namespace App\Http\Controllers\Admin;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;

class ProductController extends Controller
{
    public function index()
    {
        $products = Product::all();
        return view('products.index', compact('products'));
    }

    public function create()
    {
        return view('products.create');
    }

    public function store(Request $request)

```

```
{
    $request->validate([
        'name' => 'required|string|max:255',
        'description' => 'nullable|string',
        'price' => 'required|numeric',
        'image' => 'nullable|image',
    ]);

    $product = new Product($request->all());

    if ($request->hasFile('image')) {
        $product->image = $request->file('image')->store('products');
    }

    $product->save();

    return redirect()->route('products.index')->with('success', 'Product created successfully.');
```

```
}

public function show(Product $product)
{
    return view('products.show', compact('product'));
}

public function edit(Product $product)
{
    return view('products.edit', compact('product'));
}

public function update(Request $request, Product $product)
{

```

```

$request->validate([
    'name' => 'required|string|max:255',
    'description' => 'nullable|string',
    'price' => 'required|numeric',
    'image' => 'nullable|image',
]);

$product->update($request->all());

if ($request->hasFile('image')) {
    $product->image = $request->file('image')->store('products');
}

return redirect()->route('products.index')->with('success', 'Product updated successfully.');
```

```

}

public function destroy(Product $product)
{
    $product->delete();
    return redirect()->route('products.index')->with('success', 'Product deleted successfully.');
```

```

}
}

```

User controller

```
<?php
```

```
namespace App\Http\Controllers\Admin;
```

```
use App\Http\Controllers\Controller;
```

```
use Illuminate\Http\Request;
```



```

class UserController extends Controller
{
    public function index()
    {
        $users = User::where('is_admin', true)->get();
        return view('admin.users.index', compact('users'));
    }

    public function create()
    {
        return view('admin.users.create');
    }

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

        User::create([
            'name' => $request->name,
            'email' => $request->email,
            'password' => Hash::make($request->password),
            'is_admin' => true,
        ]);

        return redirect()->route('admin.users.index')->with('success', 'Admin user created successfully.');
```

```

public function show(User $user)
{
    return view('admin.users.show', compact('user'));
}

public function edit(User $user)
{
    return view('admin.users.edit', compact('user'));
}

public function update(Request $request, User $user)
{
    $request->validate([
        'name' => 'required|string|max:255',
        'email' => 'required|string|email|max:255|unique:users,email,' . $user->id,
        'password' => 'nullable|string|min:8|confirmed',
    ]);

    $user->update([
        'name' => $request->name,
        'email' => $request->email,
        'password' => $request->password ? Hash::make($request->password) : $user->password,
    ]);

    return redirect()->route('admin.users.index')->with('success', 'Admin user updated successfully.');
```

```

    }

    public function destroy(User $user)
    {

```

```

        $user->delete();

        return redirect()->route('admin.users.index')->with('success', 'Admin user deleted
successfully.');
```

}

}

Authentication

Login controller

```
<?php
```

```
namespace App\Http\Controllers\Auth;
```

```
use App\Http\Controllers\Controller;
```

```
use Illuminate\Http\Request;
```

```
use Illuminate\Support\Facades\Auth; // Ensure Auth is imported
```

```
class LoginController extends Controller
```

```
{
```

```
    public function showLoginForm()
```

```
    {
```

```
        return view('login');
```

```
    }
```

```
    public function login(Request $request)
```

```
    {
```

```
        $request->validate([
```

```
            'email' => 'required|email',
```

```
            'password' => 'required|string|min:6',
```

```
        ]);
```

```

        $credentials = $request->only('email', 'password');

        if (Auth::attempt($credentials)) {
            return redirect()->intended('dashboard');
        }

        return back()->withErrors([
            'email' => 'The provided credentials do not match our records.',
        ]);
    }
}

Logout
<?php

```

```

namespace App\Http\Controllers\Auth;

use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Auth; // Ensure Auth is imported

```

```

class LogoutController extends Controller
{
    public function logout()
    {
        Auth::logout();
        return redirect()->route('home');
    }
}

```

Cart

```
<?php
```

```

namespace App\Http\Controllers;

```

```

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Auth; // Add this line
use Illuminate\Support\Facades\DB; // Add this line

class CartController extends Controller
{
    public function index()
    {
        $user_id = Auth::id();

        // Count the number of items in the cart for the logged-in user
        $cart_count = DB::table('cart')->where('user_id', $user_id)->count();

        // Retrieve cart items
        $cart_items = DB::table('cart')->where('user_id', $user_id)->get();

        return view('cart', ['cart_items' => $cart_items, 'cart_count' => $cart_count]);
    }
}

```

Message

<?php

```

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\Message;

class MessageController extends Controller
{
    public function showContactForm()

```

```
{
    return view('contact');
}

public function index()
{
    $messages = Message::all();
    return view('messages.index', compact('messages'));
}

// Show the form for creating a new message.
public function create()
{
    return view('messages.create');
}

// Store a newly created message in storage.
public function store(Request $request)
{
    $request->validate([
        'content' => 'required|string|max:255',
    ]);

    $message = new Message();
    $message->content = $request->content;
    $message->save();

    return redirect()->route('messages.index')->with('success', 'Message created successfully.');
```

```
}

// Display the specified message.
public function show($id)
```

```
{
    $message = Message::findOrFail($id);
    return view('messages.show', compact('message'));
}

// Show the form for editing the specified message.
public function edit($id)
{
    $message = Message::findOrFail($id);
    return view('messages.edit', compact('message'));
}

// Update the specified message in storage.
public function update(Request $request, $id)
{
    $request->validate([
        'content' => 'required|string|max:255',
    ]);

    $message = Message::findOrFail($id);
    $message->content = $request->content;
    $message->save();

    return redirect()->route('messages.index')->with('success', 'Message updated successfully.');
```

```
}

// Remove the specified message from storage.
public function destroy($id)
{
    $message = Message::findOrFail($id);
    $message->delete();
}
```

```

        return redirect()->route('messages.index')->with('success', 'Message deleted successfully.');
```

}

```

// Method to handle sending messages
public function sendMessage(Request $request)
{
    $request->validate([
        'message' => 'required|string|max:255',
    ]);

    // Create the message with the authenticated user's ID
    Message::create([
        'content' => $request->message,
        'user_id' => Auth::id(),
    ]);

    return response()->json(['success' => 'Message sent successfully.']);
}
}
```

Order <?php

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use App\Models\Order; // Add this line
```

```
class OrderController extends Controller
```

```

{
    public function index()

```



```

{
    $user_id = session('user_id');
    $orders = Order::where('user_id', $user_id)->get();
    return view('orders', compact('orders'));
}
}

```

Page controller

<?php

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
class PageController extends Controller
```

```

{
    public function about()
    {
        return view('about');
    }
}

```

Search

<?php

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use App\Models\Product; // Add this line
```

```
use App\Models\Cart; // Add this line
```

```
use Illuminate\Support\Facades\Session; // Add this line
```

```

class SearchController extends Controller
{
    public function index(Request $request)
    {
        $search = $request->input('search');
        $products = Product::where('name', 'like', "%$search%")->get();
        return view('search_page', compact('products'));
    }

    public function addToCart(Request $request)
    {
        $user_id = session('user_id');

        $product_name = $request->product_name;
        $product_price = $request->product_price;
        $product_image = $request->product_image;
        $product_quantity = $request->product_quantity;

        $cartItem = Cart::where('name', $product_name)->where('user_id', $user_id)->first();

        if ($cartItem) {
            session()->flash('message', 'already added to cart!');
        } else {
            Cart::create([
                'user_id' => $user_id,
                'name' => $product_name,
                'price' => $product_price,
                'quantity' => $product_quantity,
                'image' => $product_image
            ]);
        }
    }
}

```

```

        session()->flash('message', 'product added to cart!');
    }

    return redirect()->back();
}
}

```

Shop controller

<?php

```

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\Product; // Add this line
use App\Models\Cart; // Add this line
use Illuminate\Support\Facades\Session; // Add this line

class ShopController extends Controller
{
    public function index()
    {
        $products = Product::all();
        return view('shop', compact('products'));
    }

    public function addToCart(Request $request)
    {
        $user_id = session('user_id');

        $product_name = $request->product_name;
        $product_price = $request->product_price;
        $product_image = $request->product_image;
    }
}

```

```

$product_quantity = $request->product_quantity;

$cartItem = Cart::where('name', $product_name)->where('user_id', $user_id)->first();

if ($cartItem) {
    session()->flash('message', 'already added to cart!');
} else {
    Cart::create([
        'user_id' => $user_id,
        'name' => $product_name,
        'price' => $product_price,
        'quantity' => $product_quantity,
        'image' => $product_image
    ]);
    session()->flash('message', 'product added to cart!');
}

return redirect()->back();
}
}

```

Use controller

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
use Illuminate\Support\Facades\Auth;
```

```
use App\Models\User;
```

```
class UserController extends Controller
```

```

{
    public function register(Request $request)
    {
        $request->validate([
            'name' => 'required|string|max:255',
            'email' => 'required|string|email|max:255|unique:users',
            'password' => 'required|string|min:6|confirmed',
        ]);

        $user = new User();
        $user->name = $request->name;
        $user->email = $request->email;
        $user->password = bcrypt($request->password);
        $user->save();

        Auth::login($user);

        return redirect()->route('home');
    }

    public function login(Request $request)
    {
        $credentials = $request->only('email', 'password');

        if (Auth::attempt($credentials)) {
            $request->session()->put('user', Auth::user());
            return redirect()->intended('dashboard');
        }

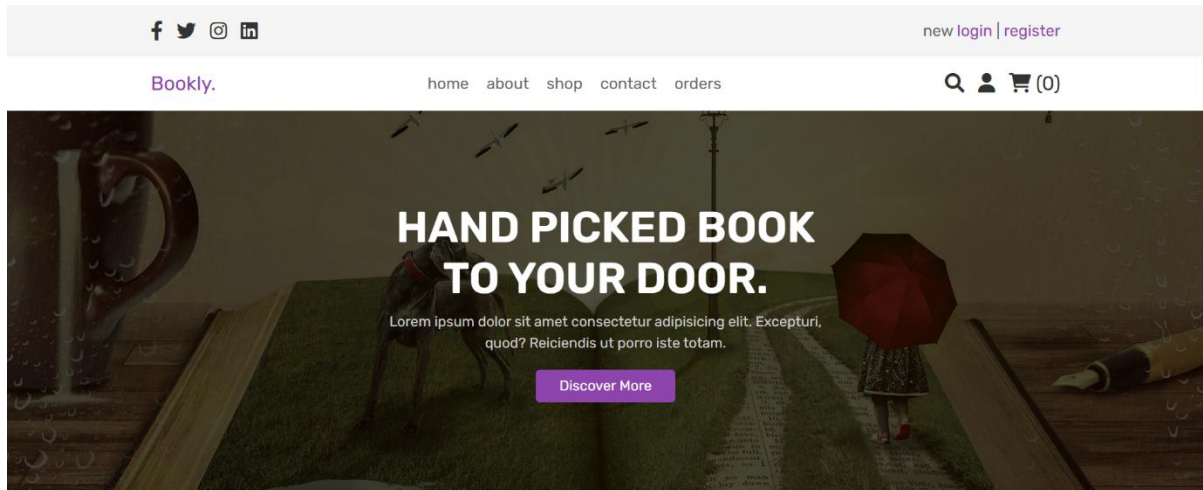
        return back()->withErrors([
            'email' => 'The provided credentials do not match our records.',

```

```
    });  
}  
public function showLoginForm()  
{  
    return view('login');  
}  
public function showRegisterForm()  
{  
    return view('register');  
}  
public function logout(Request $request)  
{  
    Auth::logout();  
    $request->session()->invalidate();  
    $request->session()->regenerateToken();  
    return redirect('/');  
}  
}
```

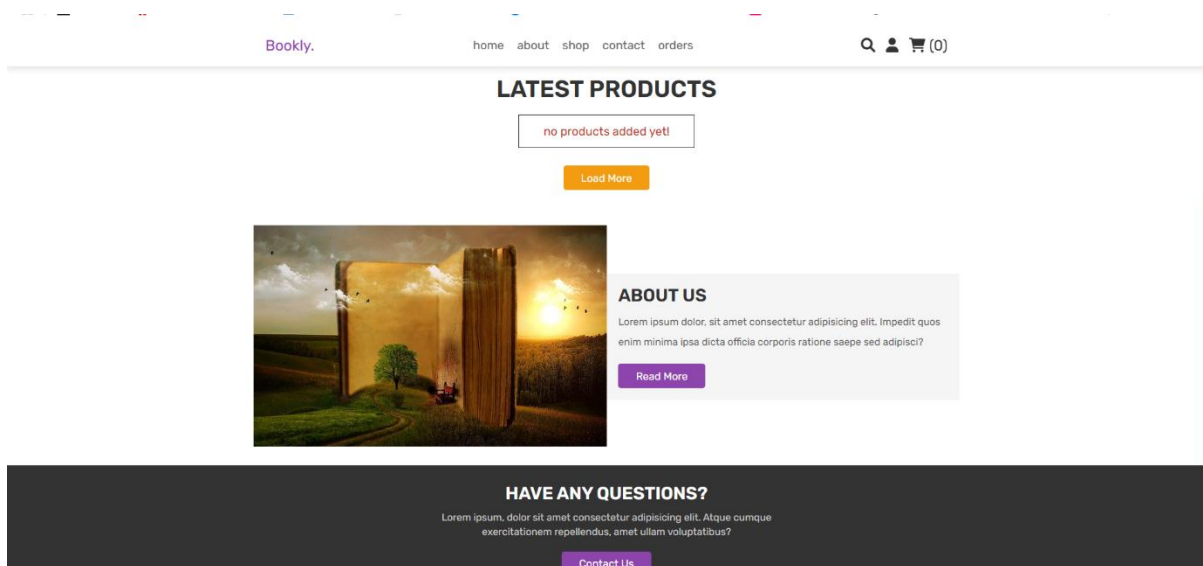
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GREATE AUTHORS




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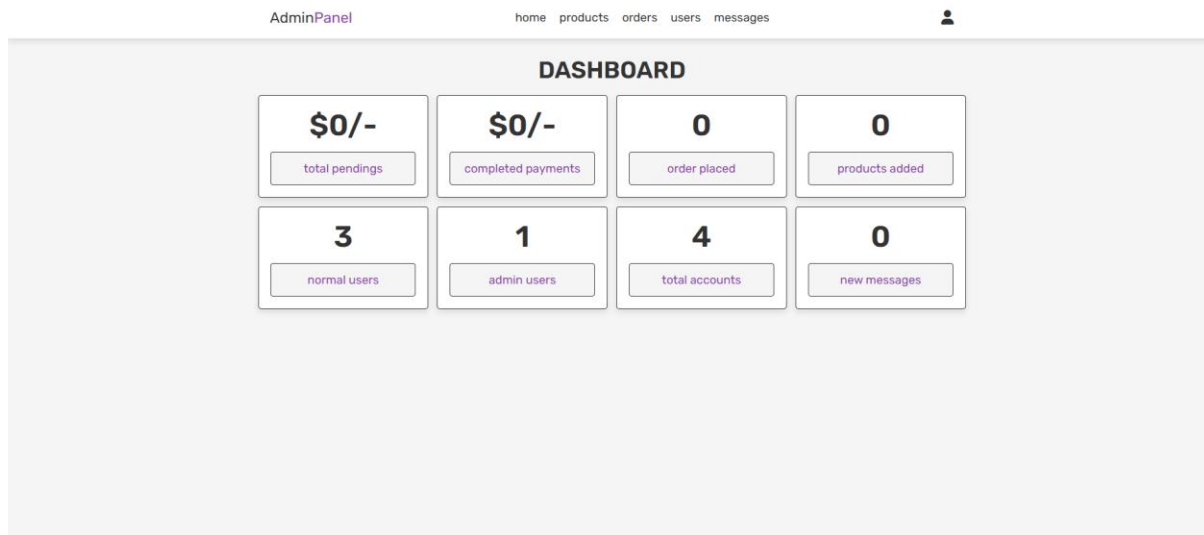


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ADMIN

DASHBOARD



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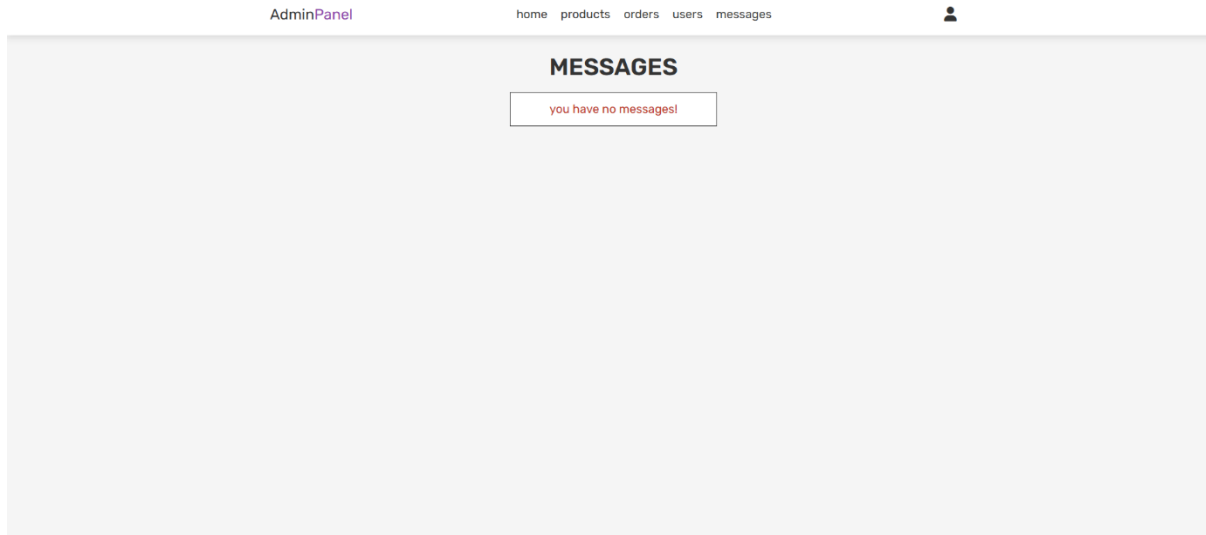
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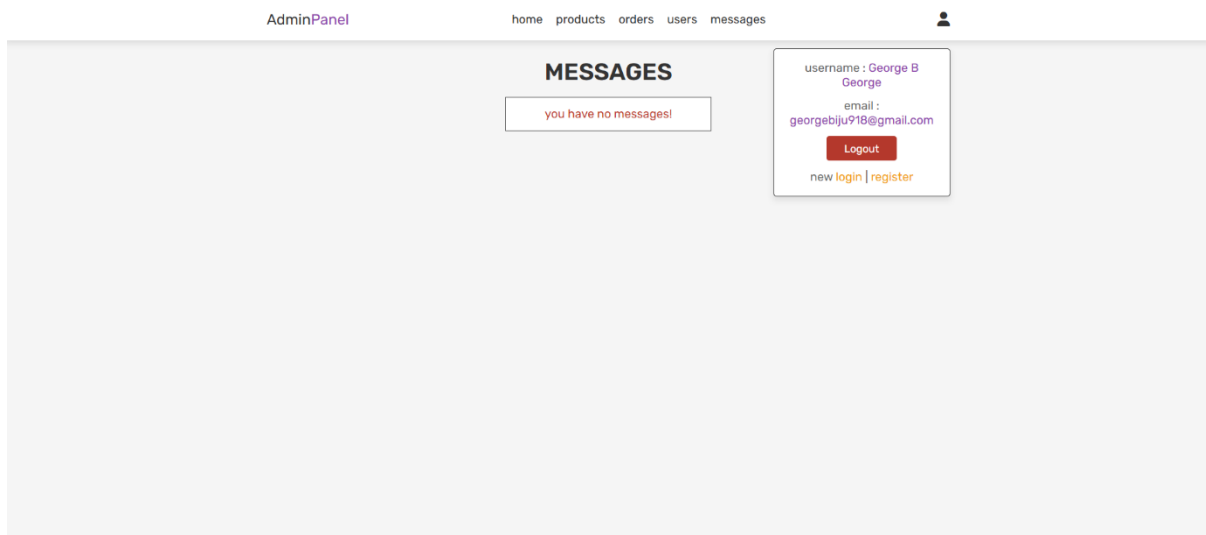
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ADMIN MESSAGE VIEW PANNEL



LOGOUT



Conclusion

The system is built using Laravel, a PHP framework that follows the Model-View-Controller (MVC) architecture. This structure ensures a clear separation of concerns, making the application more maintainable, scalable, and efficient. The MVC pattern enhances code organization, improves reusability, and simplifies debugging, ultimately contributing to a robust and well-structured system.

Github link:

<https://github.com/georgebiju915/laravelassingment.git>