

1. HTML AND CSS.

- 1.1. Write a program using HTML and CSS, creating a horizontally scrollable container that will snap on elements when scrolling.
- 1.2. Write a program to implement CSS Forms.
- 1.3. How to Implement Image Zoom On Hover and disable right click on Webpage?
- 1.4. How to attach audio to a webpage?
- 1.5. How to embed pdf files in a webpage?
- 1.6. How to implement a simple calculator using HTML?
- 1.7. Write a program to create a comment box using HTML and CSS.
- 1.8. Write an HTML code to implement the CSS Loader.
- 1.9. Write a program to Redirect a particular section using HTML on the same page.

2. JAVA SCRIPT.

- 2.1. Write a program to implement pop-up boxes available in JavaScript.
- 2.2. Write a JavaScript program that accepts two integers and displays the larger
- 2.3. Write a program to implement Email Validation in JavaScript.
- 2.4. Write a JavaScript program to sort the items of an array.
- 2.5. Demonstrate Function call in JavaScript.
- 2.6. Write a JavaScript program to test the first character of a string is uppercase or not.
- 2.7. Write a JavaScript Program to Convert Decimal to Binary.
- 2.8. Create a webpage that displays the current date and time using Javascript.
- 2.9. Implement a JavaScript program to change the background color randomly.
- 2.10. Write a JavaScript program to construct the pyramid pattern, using a nested for loop.
- 2.11. Write a JavaScript Program to Solve Quadratic Equations.
- 2.12. Write a JavaScript function that accepts a string as a parameter and counts the number of vowels within the string.
- 2.13. Write a program to Toggle Password Visibility in JavaScript.

3. JSON

- 3.1. Write a program to demonstrate the Fibonacci sequence in JSON.
- 3.2. Write a program to check leap years.

4. PHP

- 4.1. Write a PHP program to check whether a given number is Armstrong or not.
- 4.2. Write a PHP program to illustrate Cookies.
- 4.3. Check whether a year is a leap year or not by inserting a year in PHP.
- 4.4. Write a program to Implement static properties in PHP.

- 4.5. Write a PHP program to use the global keyword to access a global variable from within a function.
- 4.6. Write a PHP program to convert a decimal number into a binary number.
- 4.7. Write a PHP program to store the current date/time in a cookie and display the '*last visited on*' date and time on the web page upon reopening the same page.
- 4.8. Write a PHP program to create an array and store 10 names in the array. Do the following operations.
 - 4.8.1. Display the contents using each statement.
 - 4.8.2. Display the array in sorted order.
 - 4.8.3. Display the array without the duplicate elements.
 - 4.8.4. Remove the last element and display.
 - 4.8.5. Display the array in reverse order.
 - 4.8.6. Search for an element in the given array.
- 4.9. Write the PHP script to send an email.
- 4.10. Write a PHP program to implement MySQL databases with CRUD operations.

5. LARAVEL FRAMEWORK

- 5.1. Program to illustrate the workings of a simple Laravel web application.
- 5.2. Program to demonstrate the implementation of the Bootstrap framework in Laravel.
- 5.3. Program to illustrate the creation of a Laravel web application with all form validations.
- 5.4. Create a Login page using the Laravel framework.
- 5.5. Program to implement session handling using the Laravel framework.
- 5.6. Write a program to execute database CRUD operations in the Laravel framework.
- 5.7. Create a simple Laravel Web Application, including:
 - 5.7.1. A registration form with all form validations.
 - 5.7.2. Perform CRUD operations using migrations.
- 5.8. Create a Web Application for Blog Creation with a Login and Registration form and perform the following operations on blogs using the Laravel framework.
 - 5.8.1. CREATE Blogs.
 - 5.8.2. VIEW Blogs in a Table.
 - 5.8.3. EDIT and UPDATE Blogs.
 - 5.8.4. DELETE Blogs.
- 5.9. Create a simple LARAVEL web application displaying the CAE2 Marks of MSc CS students, including:
 - 5.9.1. Student Login and Teacher login
 - 5.9.2. Teachers can Add, View, Update, and Delete Students and Marks.

- 5.9.3. Students can VIEW their marks.
- 5.10. Create a simple Laravel web application for students, including:
 - 5.10.1. Student Registration Form
 - 5.10.2. Form Validations.
 - 5.10.3. Login for students with session handling.
 - 5.10.4. Minimum of two web pages with a standard layout.
- 6. PORTFOLIO**
- 7. PROJECT**