**ASSIGNMENT – 14.4**

**NAME :** SAI CHARAN .P

**ROLL:NO :** 2403A52343

**BATCH :** AI 13

**TASK-1:** Create a clean, responsive HTML and CSS web page layout that includes:

* A header with a website title and navigation menu
* A main content section with a welcome message and a placeholder image
* A footer with copyright info

Make sure the layout:

* Uses CSS media queries to adapt to desktop, tablet, and mobile screen sizes
* Is visually organized, using a container to center content
* Has a modern, minimal design

**Code:**

**Index.html:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**Style.css:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.

**TASK-2:** Create a simple HTML page with:

* A button labeled "Click Me"
* A JavaScript file that displays an alert saying "Button clicked!" when the button is pressed

The JavaScript should:

* Be in a separate file
* Use addEventListener to handle the click
* Include clear, helpful comments

Optionally, add minimal CSS styling to center the button and make it look nice.

**Code:**

**Index.html:**

A screen shot of a computer program

AI-generated content may be incorrect.

**Style.css:**

A screen shot of a computer program

AI-generated content may be incorrect.

**Script.js:**

A screen shot of a computer program

AI-generated content may be incorrect.

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.

**On clicking:**

A screenshot of a computer

AI-generated content may be incorrect.

**TASK-3:** Create a contact form using HTML, CSS, and JavaScript. The form should include Name, Email, and Message fields. Add JavaScript form validation that checks:

* All fields are filled
* Email is in a valid format

Show inline error messages below each field if validation fails. If the form is valid, display a “Form submitted successfully” message. Make the code clean and well-commented.

**Code:**

**Index.html:**

A screen shot of a computer program

AI-generated content may be incorrect.**Style.css:**

A screenshot of a computer program

AI-generated content may be incorrect.

**Script.js:**

A screenshot of a computer program

AI-generated content may be incorrect.

**Output:**

A computer screen shot of a computer screen

AI-generated content may be incorrect.

**TASK-4:** Create an HTML page with a list of items and two buttons: "Add Item" and "Remove Item". Use JavaScript to dynamically:

* Add a new item to the list each time "Add Item" is clicked (e.g., “Product 3”, “Product 4”)
* Remove the last item when "Remove Item" is clicked

Ensure the updates happen without reloading the page. Include basic CSS for styling.

**Code:**

**Index.html:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Style.css:**

**A screenshot of a computer screen

AI-generated content may be incorrect.**

**Script.js:**

A screen shot of a computer program

AI-generated content may be incorrect.

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.

A computer screen shot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

**TASK-5:** Create a modal popup in HTML, CSS, and JavaScript. The page should have a button labeled “Open Modal.” When clicked, a modal with a semi-transparent overlay appears. The modal has some content and a close “X” button. Clicking the close button or the overlay outside the modal content closes the modal. Style the modal and overlay nicely with CSS.

**Code:**

**Index.html:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Style.css:**

**A screen shot of a computer

AI-generated content may be incorrect.**

**Script.js:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.

**On clicking:**

A screenshot of a computer

AI-generated content may be incorrect.