FULL STACK LAB MANUAL

Week 1

Objective: Create a basic Biodata form using HTML only.
Instructions:

- Design a simple biodata form using various HTML form elements.
- Use headings and paragraphs for clear presentation.

Week 2

Objective: Create a timetable using HTML and format it as a table.
Instructions:

- Utilize the `<table>` tag to structure the timetable.
- Add `<thead>`, `<tbody>`, and `<tfoot>` to organize the content.

Week 3

Objective: Create an unordered movie list with unique styling for your favorite movie and an ordered list of cities with random styling applied to it.
Instructions:

- Use `<ul>` for the movie list and `<ol>` for the city list.
- Apply custom CSS for individual items.

Week 4

Objective: Create a sidebar using HTML & CSS.
Instructions:

- Structure the sidebar using `<div>` and style it using CSS.
- Make it responsive.

Week 5

Objective: Create a responsive Image gallery using HTML & CSS.
Instructions:

- Design an image gallery using the `<img>` tag and apply CSS for responsiveness.

Week 6

Objective: Medium.com Clone Using HTML, CSS, and JavaScript.
Instructions:

- Develop a clone of Medium's homepage, implementing responsive design and functionality.

Week 7

Objective: Generate a Video animation on a web page through three images (astronaut, rocket, space) using CSS animation.
Instructions:

- Use keyframe animations in CSS to create smooth transitions between images.

Week 8

Objective: Logical questions on array methods like `map`, `filter`, `reduce`, and `forEach`.
Instructions:

- Implement various problems using array methods and understand their functionality.

Week 9

Objective: Interview Problems on Functions, Closures, & IIFE (Immediately Invoked Function Expressions).
Instructions:

- Solve and implement questions related to function scope and closures.

Week 10

Objective: Latest Interview problem on Event Loop, Callback & Promises.
Instructions:

- Practice problems that involve asynchronous JavaScript concepts.

Week 11

Objective: Develop a To-Do list with buttons for deleting, moving up, moving down, and a checkbox for individual tasks using HTML, CSS, and JavaScript.
Instructions:

- Create dynamic interactions using JavaScript DOM manipulation.

Week 12

Objective: Generate a user interface for a chessboard using JavaScript, dynamically creating all HTML elements and applying CSS properties through JavaScript.
Instructions:

- Use loops to dynamically generate the chessboard and manipulate styles.

Week 13

Objective: Create a website where users can enter a country, and the platform will showcase a list of universities, including their names, websites, and corresponding states, all data fetched through an API.
Instructions:

- Utilize fetch API to display dynamic data.

Week 14

Objective: Create a website for a movie search app using TMDB API.
Instructions:

- Fetch data from the TMDB API and dynamically display the results on the web page.