

Project Overview:

- **Title**: To-Do App
- **Objective**: Create a web application that allows users to add, edit, and delete tasks.

Summary of Work Done:

1. **HTML Structure**:

- Developed a simple HTML structure with input fields for adding tasks and a list to display existing tasks.
- Included buttons for adding, editing, and deleting tasks within each list item.

2. **CSS Styling**:

- Applied CSS styles to improve the visual appearance of the app.
- Styled the input field, buttons, and task list to create a clean and user-friendly interface.

3. **JavaScript Functionality**:

- Implemented JavaScript code to handle user interactions and manage tasks dynamically.
- Allows users to add new tasks by entering text in the input field and clicking the "Add" button.
- Enabled editing of existing tasks by clicking the "Edit" button and providing a new text input.
- Allowed deletion of tasks by clicking the "Delete" button.

4. **Local Storage Integration**:

- Utilised local storage to persist tasks even after page refresh or closure.
- Stored tasks as JSON objects in the browser's local storage, enabling retrieval and display upon page reload.

5. **Task Count Display**:

- Added a section to display the total number of tasks dynamically.
- Updated the task count each time a task is added, edited, or deleted.

6. **Copyright Notice**:

- Included a copyright notice at the bottom of the page to indicate ownership of the application.

Faced Problems and Solutions:

1. ****Local Storage Implementation****:

- Initially faced challenges with storing and retrieving tasks using local storage.
- Resolved by converting task data to JSON format and using ``localStorage.setItem()`` and ``localStorage.getItem()`` methods for storage and retrieval, respectively.

2. ****Task Editing****:

- Encountered issues with updating task text when editing tasks.
- Solved by selecting the appropriate DOM elements and updating their inner text content dynamically upon editing.

Conclusion:

Your To-Do App project demonstrates effective use of HTML, CSS, and JavaScript to create a functional and interactive web application. By addressing challenges related to local storage integration and task management, you've successfully implemented key features for task tracking and organisation. Continuously refine and enhance your app based on user feedback and evolving requirements to improve its usability and effectiveness.