**HTML (index.html):**

* The HTML file defines the structure of your web page. It includes:
  + A container div (<div class="container">) that provides a background gradient.
  + A "To-Do App" section (<div class="todo-app">) with a title, input field, button, and a list of tasks.
  + An input field (<input type="text" id="input-text">) for entering tasks.
  + A button (<button onclick="addTask()">Submit</button>) to add tasks to the list.
  + An unordered list (<ul id="list-container">) that will display the tasks.

**CSS (index.css) :**

* The CSS file provides styling for your web page. It includes:
  + Styles to reset default margins, padding, and fonts for all elements.
  + Styles for the container, the to-do app section, and various elements within it (e.g., headings, input field, button, list items).
  + Styling for list items, including custom bullet points and checked items.
  + Styling for a "Delete" button that appears when you hover over list items.

**JavaScript (index.js) :**

* The JavaScript file adds interactivity to your web page. It includes the following functions and event listeners:
  + addTask(): This function is called when the "Submit" button is clicked. It checks if the input field is empty and, if not, adds a new task to the list. It also clears the input field and calls saveData() to store the updated list in local storage.
  + Event Listener: listContainer.addEventListener("click", ...): This event listener listens for clicks within the list container (<ul>). When a click occurs:
    - If the clicked element is an <li>, it toggles the "checked" class on that <li> element (which visually marks it as completed) and calls saveData() to update the saved list data.
    - If the clicked element is a <span>, it removes the parent <li> element (deleting the task) and calls saveData() to update the saved list data.
  + saveData(): This function saves the current state of the list (the HTML content of the <ul>) to local storage using the localStorage.setItem method.
  + showData(): This function retrieves the saved list data from local storage using the localStorage.getItem method and populates the list container (<ul>) with the saved data. It is called to restore the list when the page loads.

**Overall Functionality:**

* Users can enter tasks in the input field and click the "Submit" button to add them to the list.
* Clicking on a task marks it as completed (by toggling the "checked" class) or deletes it (by clicking the delete icon).
* The list data is saved in local storage, allowing it to persist across page reloads.

This code creates a simple to-do list application with basic styling and interactivity. Users can add, mark as completed, and delete tasks. The list data is stored locally to maintain state between sessions.