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| Q1. | **Build a Simple Task List with Toggle Completion**  **Requirements:**   1. **Fetch Task Data:**    1. Use the fetch() method to get a list of tasks from the JSONPlaceholder API: <https://jsonplaceholder.typicode.com/todos>    2. The task data contains two key pieces of information:       1. title: The name of the task       2. completed: Whether the task is completed (true) or not (false) 2. **Display Task List:**    1. For each task, create a new <p> element (paragraph) to display the task's title and whether it is "Completed" or "Not Completed." 3. **Add an Event Listener:**    1. Add an event listener to each <p> element that listens for a click event.    2. When a task is clicked, toggle its completion status (change between "Completed" and "Not Completed”). 4. **Update the Display:** 5. After clicking a task, update the text inside the <p> element to show the new completion status. |
| Ans | **Index.html file:**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Task List Toggle</title>  <script src="https://cdn.tailwindcss.com"></script>  </head>  <body class="bg-gray-200 min-h-screen flex flex-col items-center py-8">    <h1 class="text-3xl font-bold mb-6">Task List</h1>  <div id="app" class="flex flex-col items-center gap-4 w-full max-w-2xl"></div>  <script src="./post.js"></script>  </body>  </html>  **Post.js file:**  async function getTodos() {  const url = "https://jsonplaceholder.typicode.com/todos";    try {  const response = await fetch(url);  if (!response.ok) throw new Error(response.statusText);    const todos = await response.json();    const app = document.querySelector('#app');  app.innerHTML = ''; // clear previous content    todos.forEach(function(todo) {  const todoElem = document.createElement('p');    function updateTodoText() {  todoElem.innerHTML = `<strong>${todo.title}</strong> - ${todo.completed ? '<span class="text-green-600">Completed</span>' : '<span class="text-red-600">Not Completed</span>'}`;  }    updateTodoText();    todoElem.classList.add(  'bg-white',  'shadow',  'rounded',  'p-4',  'w-full',  'text-center',  'cursor-pointer',  'hover:bg-gray-100',  'transition-all'  );    // Toggle completion status on click  todoElem.addEventListener('click', function() {  todo.completed = !todo.completed;  updateTodoText();  });    app.appendChild(todoElem);  });  } catch (error) {  const app = document.querySelector('#app');  app.innerHTML = `<p class="text-red-500 text-center">Error: ${error.message}</p>`;  }  }    getTodos(); |

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