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***REPORT #: W:4,D:7***

***TASK TITLE Mini Project: Interactive To-Do List or Calculator***

**📝 Mini Project: Interactive To-Do List**

**💡 Project Idea:**

An interactive **To-Do List** allows users to add, delete, and mark tasks as complete. It helps practice **DOM manipulation**, **events**, and **arrays** in JavaScript.

**🔧 Key Features:**

* Add new tasks
* Mark tasks as completed
* Delete tasks
* Optional: Save tasks to localStorage

**🛠 Technologies Used:**

* HTML (structure)
* CSS (basic styling)
* JavaScript (functionality)

**🔍 JavaScript Concepts:**

* getElementById, querySelector
* addEventListener()
* innerHTML
* createElement(), appendChild()
* Array manipulation

**🧩 Sample Code Snippet:**

document.getElementById("addBtn").addEventListener("click", function() {

let taskText = document.getElementById("taskInput").value;

if (taskText !== "") {

let li = document.createElement("li");

li.innerHTML = taskText + " <button onclick='this.parentElement.remove()'>Delete</button>";

document.getElementById("taskList").appendChild(li);

document.getElementById("taskInput").value = "";

}

});

**➗ Mini Project: Simple Calculator**

**💡 Project Idea:**

A basic calculator performs **add, subtract, multiply, divide** operations using button clicks.

**🔧 Key Features:**

* Display screen
* Number and operator buttons
* Equal (=) and Clear (C) functions

**🛠 Technologies Used:**

* HTML (buttons and input)
* CSS (layout and styling)
* JavaScript (logic)

**🔍 JavaScript Concepts:**

* querySelectorAll
* innerHTML and value
* addEventListener()
* eval() (or custom logic)

**🧩 Sample Code Snippet:**

let result = document.getElementById("result");

function press(val) {

result.value += val;

}

function calculate() {

result.value = eval(result.value);

}

function clearDisplay() {

result.value = "";

}