

Date: 27th February 2024

T1. Develop prototype 3 continuing with the last lab. Confirm that the app now remembers your list even after a page refresh.

⇒ code: !DOCTYPE html>

```
<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Prototype 3</title>

</head>

<body>
```

```
<h1>To-Do List</h1>
```

```
<input type="text" id="taskInput" placeholder="Enter task">
```

```
<button onclick="addTask()">Add Task</button>
```

```
<ul id="taskList"></ul>
```

```
<script>
```

```
    document.addEventListener("DOMContentLoaded", function() {
```

```
        if(localStorage.getItem('tasks')) {
```

```
    let tasks = JSON.parse(localStorage.getItem('tasks'));

    tasks.forEach(task => {

        addTaskToList(task);

    });

}

});

function addTask() {
```

```
let taskInput = document.getElementById("taskInput");

let taskText = taskInput.value.trim();

if (taskText === "") return;

addTaskToList(taskText);

taskInput.value = "";
```

```
        saveTasks();
```

```
    }
```

```
function addTaskToList(taskText) {
```

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

```
    li.textContent = taskText;
```

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

    }

    function saveTasks() {

        let tasks = document.querySelectorAll("#taskList li");

        let taskTexts = Array.from(tasks).map(task =>
task.textContent);
```

```
        localStorage.setItem("tasks", JSON.stringify(taskTexts));

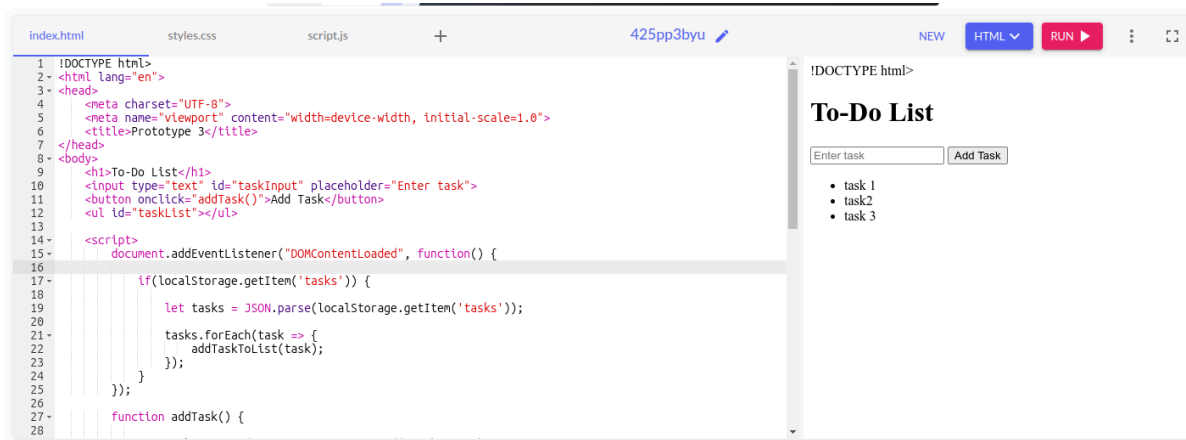
    }

</script>

</body>

</html>
```

Output:



T2. Create a local storage that saves the number of times you have accessed the page and displays it.

⇒ `<!DOCTYPE html>`

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Page Access Counter</title>
<script>
  document.addEventListener("DOMContentLoaded", function() {

    if(localStorage.getItem("pageAccessCount")) {
```



```
    var count = parseInt(localStorage.getItem("pageAccessCount"));
    count++;
    localStorage.setItem("pageAccessCount", count);
    document.getElementById("accessCount").innerText = count;
} else {

    localStorage.setItem("pageAccessCount", 1);
    document.getElementById("accessCount").innerText = 1;
}
});
</script>
</head>
<body>
    <h1>Welcome to the Page Access Counter</h1>
    <p>This page has been accessed <span id="accessCount"></span> times.</p>
</body>
</html>
```

index.htmlstyles.cssscript.js+425pp3byuNEWHTMLRUN

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Page Access Counter</title>
7 <script>
8   document.addEventListener("DOMContentLoaded", function() {
9
10     if(localStorage.getItem("pageAccessCount")) {
11
12       var count = parseInt(localStorage.getItem("pageAccessCount"));
13       count++;
14       localStorage.setItem("pageAccessCount", count);
15       document.getElementById("accessCount").innerText = count;
16     } else {
17
18       localStorage.setItem("pageAccessCount", 1);
19       document.getElementById("accessCount").innerText = 1;
20     }
21   });
22 </script>
23 </head>
24 <body>
25 <h1>Welcome to the Page Access Counter</h1>
26 <p>This page has been accessed <span id="accessCount"></span> times.</p>
27 </body>
28 </html>
```

## Welcome to the Page Access Counter

This page has been accessed 3 times.