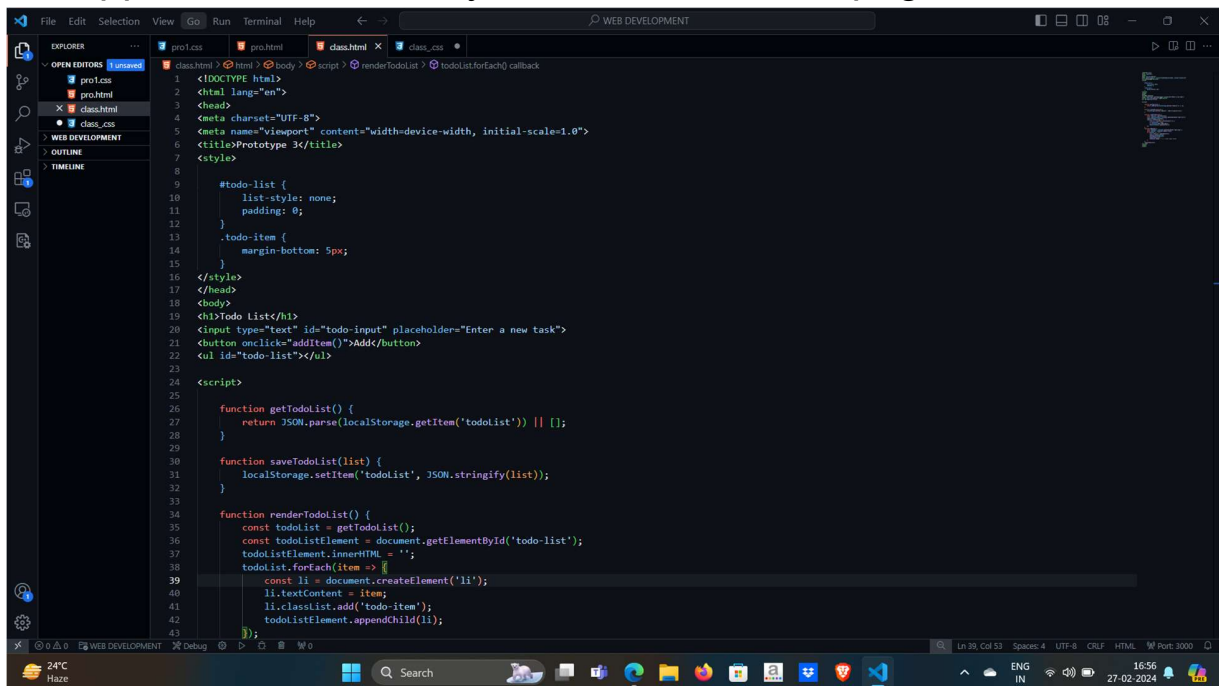


ASSIGNMENT WEB DEVELOPMENT

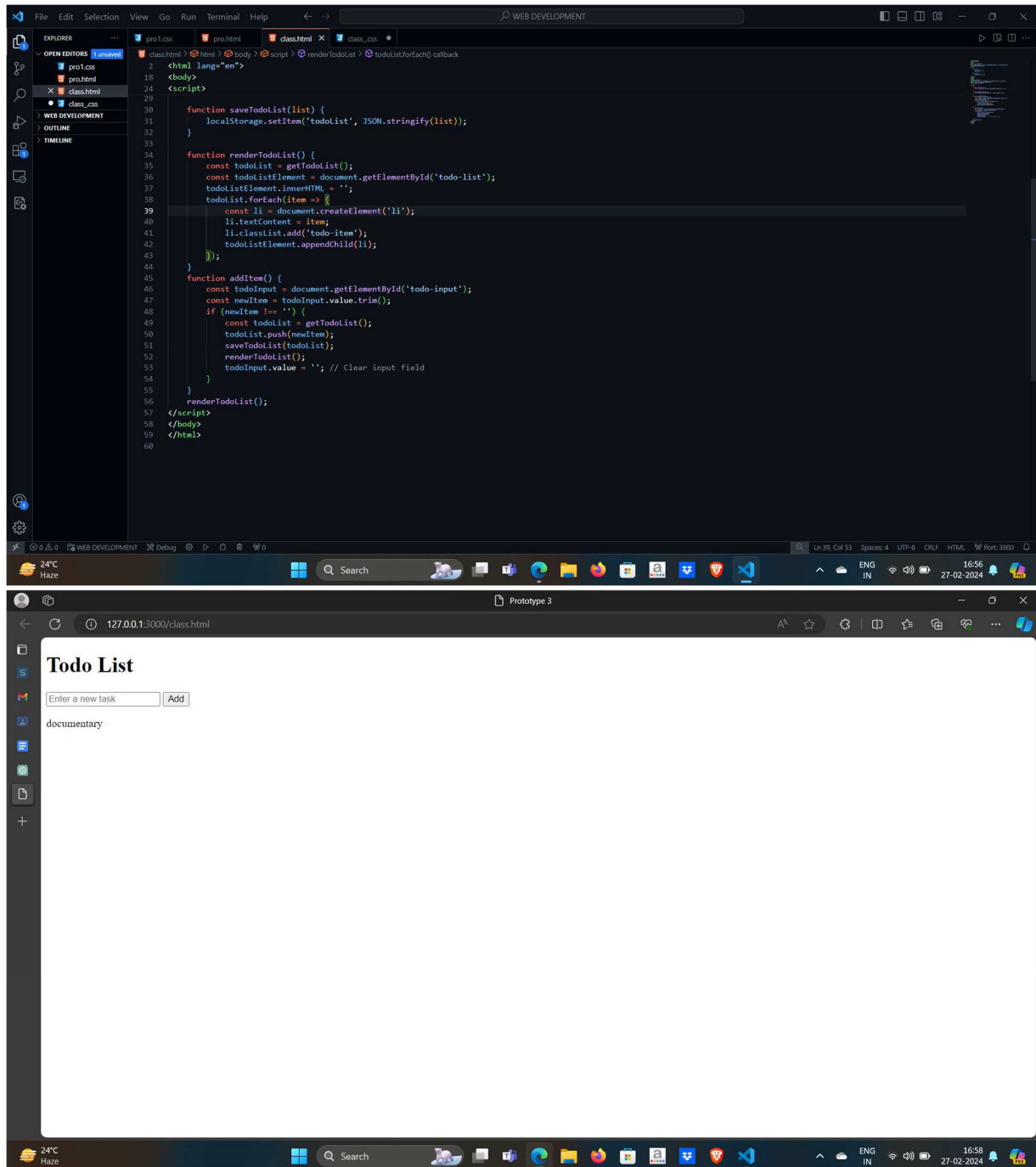
NAME : SOURABH

ROLL NO. : 22CS3058

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

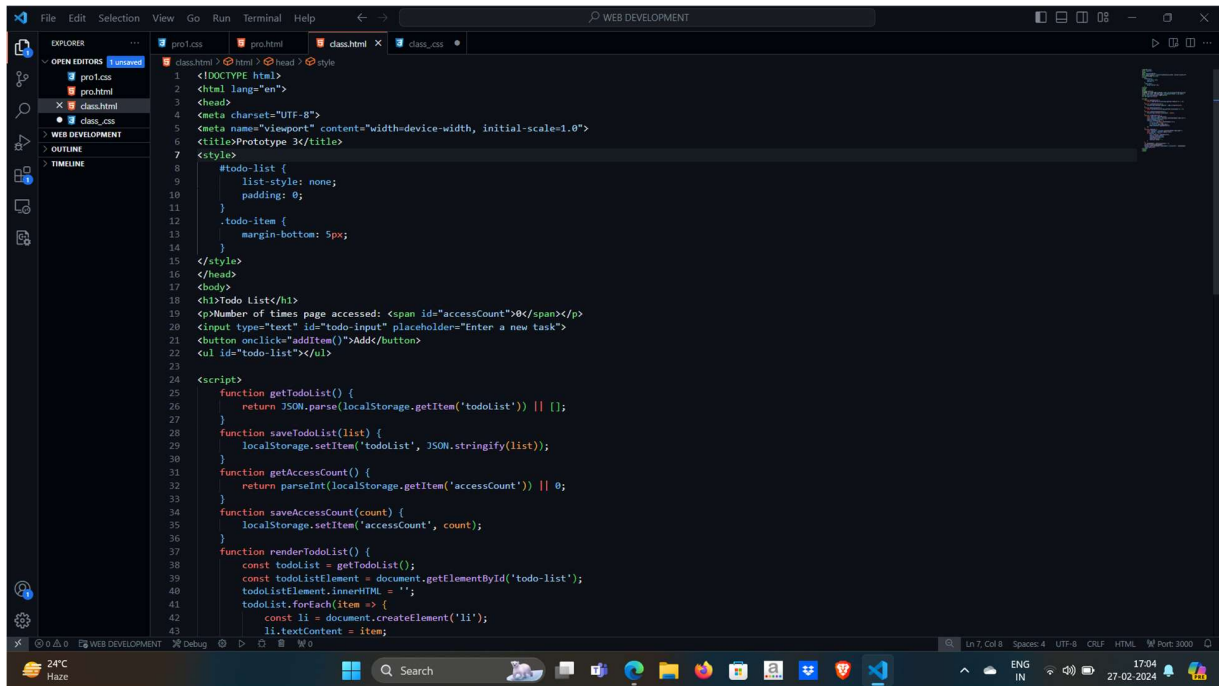


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Prototype 3</title>
7 <style>
8
9
10 #todo-list {
11   list-style: none;
12   padding: 0;
13 }
14 .todo-item {
15   margin-bottom: 5px;
16 }
17 </style>
18 </head>
19 <body>
20 <h1>Todo List</h1>
21 <input type="text" id="todo-input" placeholder="Enter a new task">
22 <button onclick="addItem()">Add</button>
23 <ul id="todo-list"></ul>
24
25 <script>
26
27 function getTodoList() {
28   return JSON.parse(localStorage.getItem('todoList')) || [];
29 }
30
31 function saveTodoList(list) {
32   localStorage.setItem('todoList', JSON.stringify(list));
33 }
34
35 function renderTodoList() {
36   const todoList = getTodoList();
37   const todoListElement = document.getElementById('todo-list');
38   todoListElement.innerHTML = '';
39   todoList.forEach(item => {
40     const li = document.createElement('li');
41     li.textContent = item;
42     li.classList.add('todo-item');
43     todoListElement.appendChild(li);
44   });
45 }
```

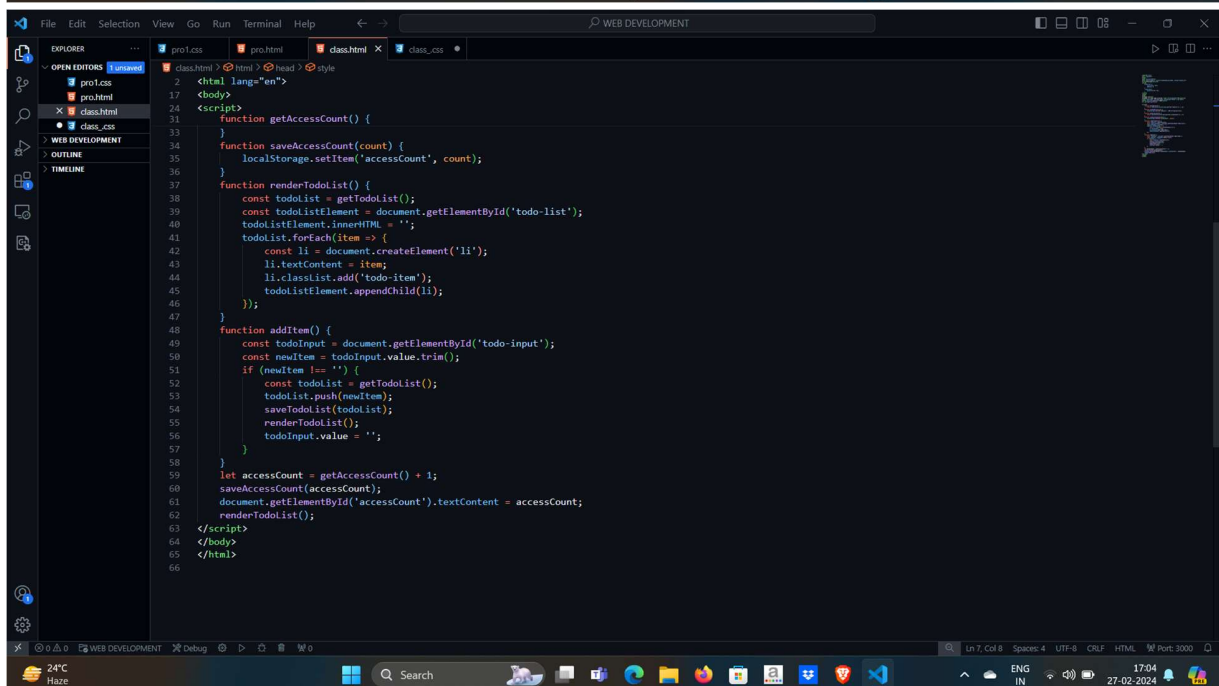


T2. Create a local storage that saves the number of times you have accessed the page and displays it.

CODE-



```
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>Prototype 3</title>
7 <style>
8   #todo-list {
9     list-style: none;
10    padding: 0;
11  }
12  .todo-item {
13    margin-bottom: 5px;
14  }
15 </style>
16 </head>
17 <body>
18 <h1>Todo List</h1>
19 <p>Number of times page accessed: <span id="accessCount">0</span></p>
20 <input type="text" id="todo-input" placeholder="Enter a new task">
21 <button onclick="addItem()">Add</button>
22 <ul id="todo-list"></ul>
23
24 <script>
25   function getTodoList() {
26     return JSON.parse(localStorage.getItem('todoList')) || [];
27   }
28   function saveTodoList(list) {
29     localStorage.setItem('todoList', JSON.stringify(list));
30   }
31   function getAccessCount() {
32     return parseInt(localStorage.getItem('accessCount')) || 0;
33   }
34   function saveAccessCount(count) {
35     localStorage.setItem('accessCount', count);
36   }
37   function renderTodoList() {
38     const todoList = getTodoList();
39     const todoListElement = document.getElementById('todo-list');
40     todoListElement.innerHTML = '';
41     todoList.forEach(item => {
42       const li = document.createElement('li');
43       li.textContent = item;
```



```
43       li.textContent = item;
44       li.classList.add('todo-item');
45       todoListElement.appendChild(li);
46     });
47   }
48   function addItem() {
49     const todoInput = document.getElementById('todo-input');
50     const newItem = todoInput.value.trim();
51     if (newItem !== '') {
52       const todoList = getTodoList();
53       todoList.push(newItem);
54       saveTodoList(todoList);
55       renderTodoList();
56       todoInput.value = '';
57     }
58   }
59   let accessCount = getAccessCount() + 1;
60   saveAccessCount(accessCount);
61   document.getElementById('accessCount').textContent = accessCount;
62   renderTodoList();
63 </script>
64 </body>
65 </html>
66
```

OUTPUT-

