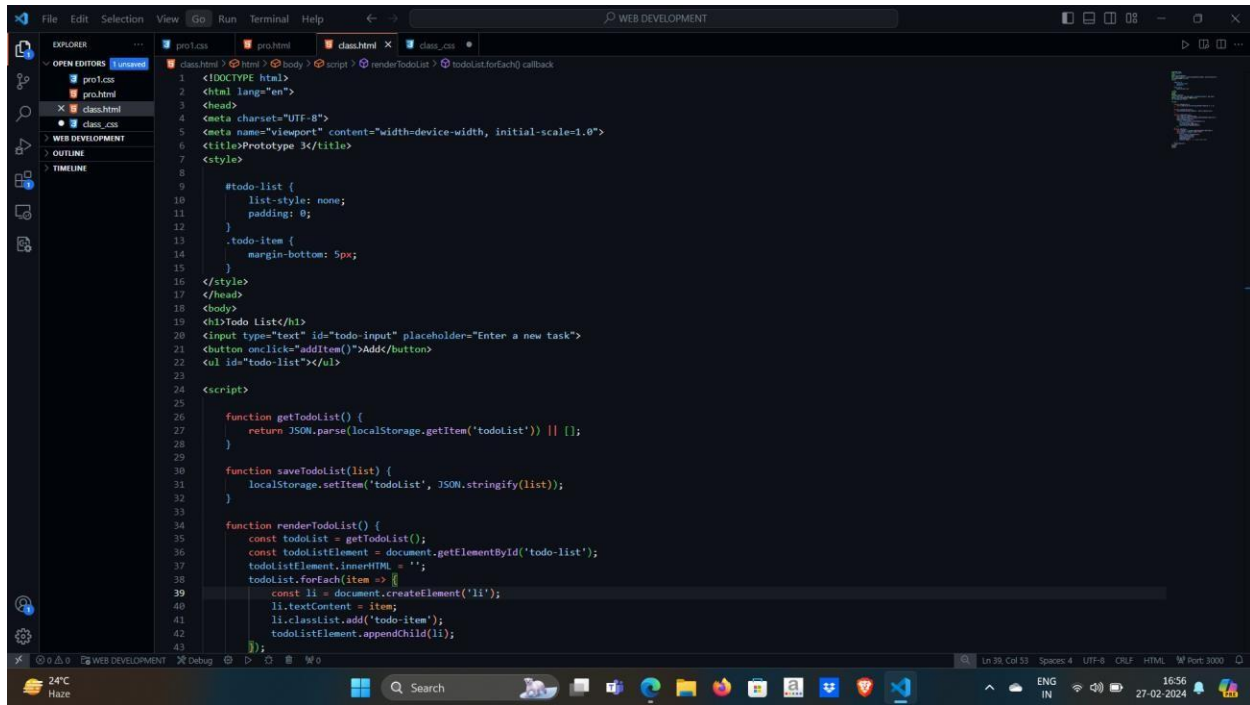


NAME: RITURAJ

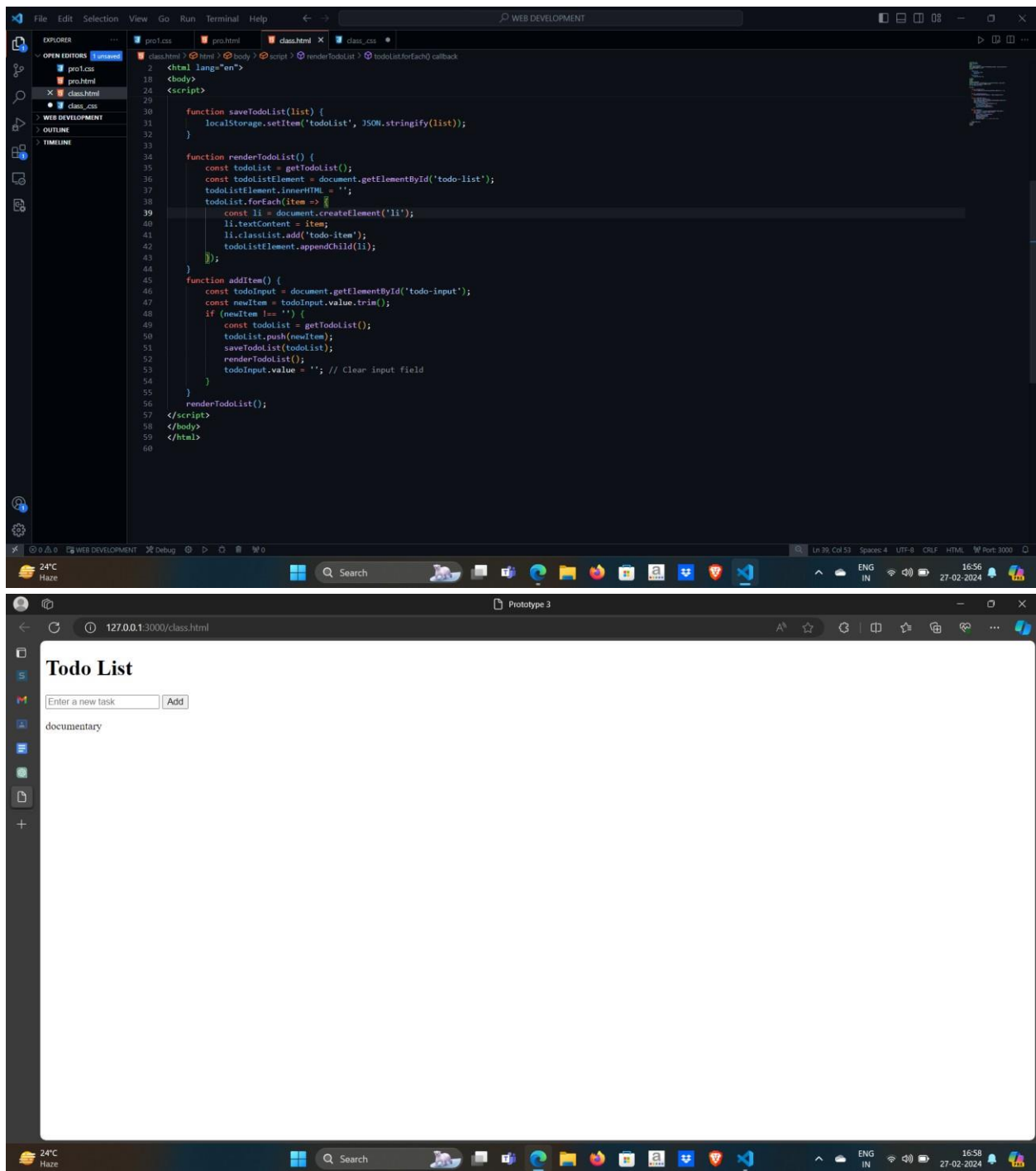
ROLL NO. : 22MC3027

T1. Develop prototype 3 continuing with the last lab.

Confirm that the app now remembers
your list even after a page refresh.

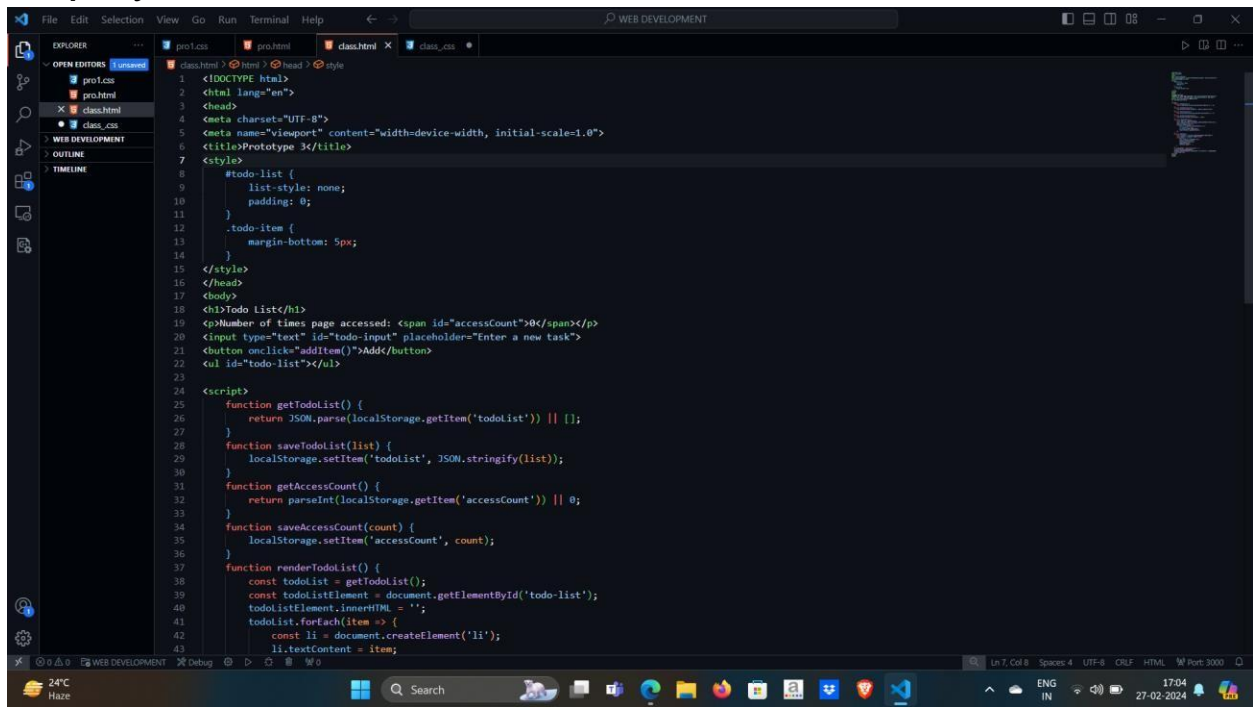


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Prototype 3</title>
7 <style>
8
9 #todo-list {
10   list-style: none;
11   padding: 0;
12 }
13 .todo-item {
14   margin-bottom: 5px;
15 }
16 </style>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



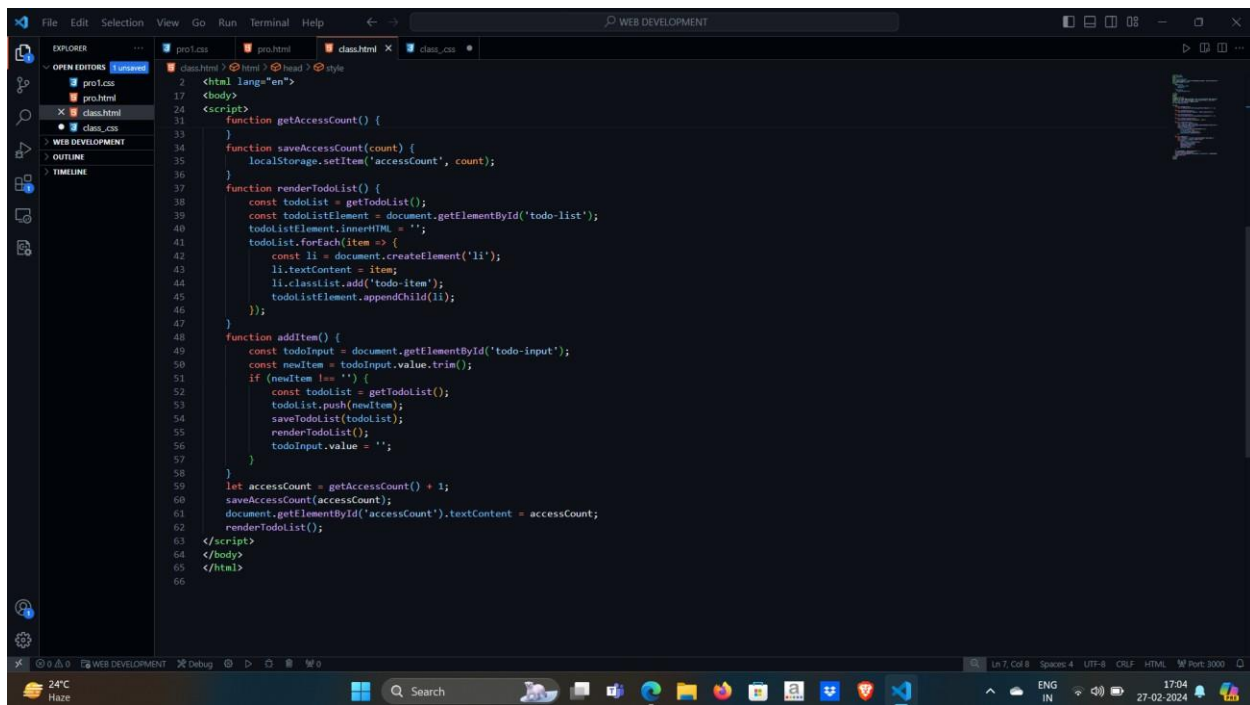
T2. Create a local storage that saves the number of times you have accessed the page and

displays it.



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project structure with files: `pro1.css`, `pro.html`, `class.html`, and `class.css`. The main editor area displays the content of `class.html`. The code includes a head section with a DOCTYPE declaration, language attribute, charset, viewport meta tag, and title. The body contains a heading, a paragraph, an input field, a button, and a list. A script section contains functions for retrieving and saving data from local storage and rendering the list.

```
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;
```



```
1 <!DOCTYPE html>
2 <html lang="en">
17 <body>
24 <script>
31 function getAccessCount() {
32 }
33
34 function saveAccessCount(count) {
35   localStorage.setItem('accessCount', count);
36 }
37
38 function renderTodoList() {
39   const todoList = getTodoList();
40   const todoListElement = document.getElementById('todo-list');
41   todoListElement.innerHTML = '';
42   todoList.forEach(item => {
43     const li = document.createElement('li');
44     li.textContent = item;
45     li.classList.add('todo-item');
46     todoListElement.appendChild(li);
47   });
48 }
49
50 function addItem() {
51   const todoInput = document.getElementById('todo-input');
52   const newItem = todoInput.value.trim();
53   if (newItem !== '') {
54     const todoList = getTodoList();
55     todoList.push(newItem);
56     saveAccessCount(todoList);
57     renderTodoList();
58     todoInput.value = '';
59   }
60
61   let accessCount = getAccessCount() + 1;
62   saveAccessCount(accessCount);
63   document.getElementById('accessCount').textContent = accessCount;
64   renderTodoList();
65 }
66 </script>
67 </body>
68 </html>
```

