

TANMAY AMRUTKAR

22IT3006

Q1.

```
Code:- <!DOCTYPE html>

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping List</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
  <h2>Shopping List</h2>
  <input type="text" id="item" placeholder="Add item">
  <button onclick="addItem()">Add</button>
  <ul id="list"></ul>
</div>

<script>
// Function to render the shopping list from local storage
function renderShoppingListFromStorage() {
  var list = document.getElementById("list");
  list.innerHTML = "";
  var storedList = JSON.parse(localStorage.getItem("shoppingList"));
  if (storedList) {
    storedList.forEach(function(item) {
      var li = document.createElement("li");
      li.textContent = item;
      list.appendChild(li);
    });
  }
}

// Initialize view with the stored list on page load
window.onload = function() {
  renderShoppingListFromStorage();
};

// Function to add item to the shopping list and update local storage
function addItem() {
  var input = document.getElementById("item");
  var item = input.value;
  if (item.trim() !== "") {
    var list = JSON.parse(localStorage.getItem("shoppingList")) || [];
    list.push(item);
    localStorage.setItem("shoppingList", JSON.stringify(list));
  }
}
```

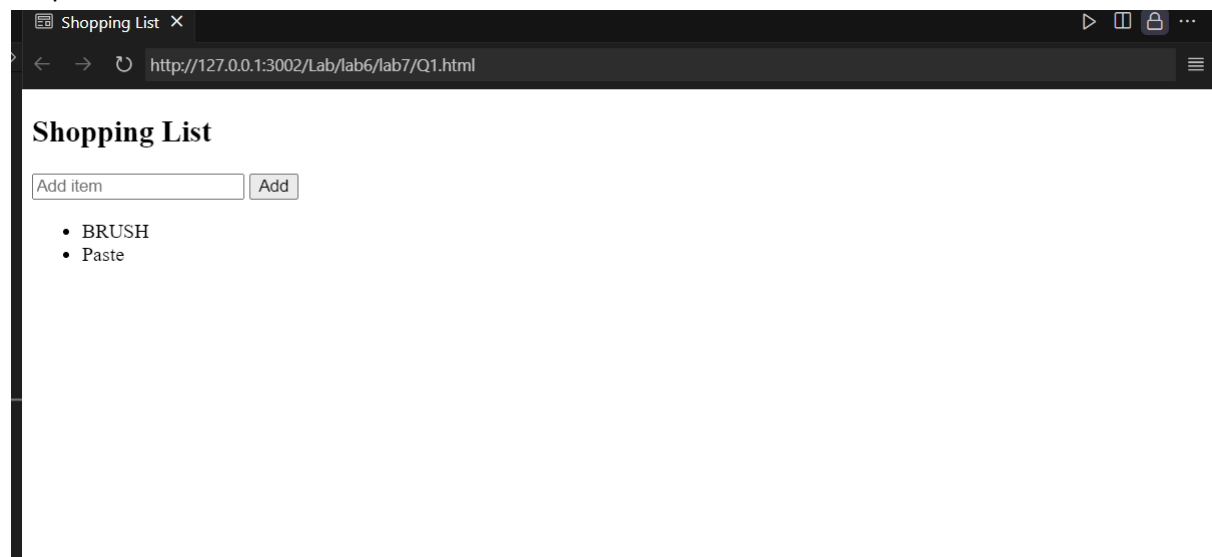
```

        renderShoppingListFromStorage();
        input.value = "";
    } else {
        alert("Please enter an item.");
    }
}
</script>

</body>
</html>

```

Output:-



Q2.

```

Code:- <!DOCTYPE html>

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping List</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
  <h2>Shopping List</h2>
  <input type="text" id="item" placeholder="Add item">
  <button onclick="addItem()">Add</button>
  <ul id="list"></ul>
</div>

<div class="container">
  <h2>Page Access Counter</h2>
  <p>This page keeps track of the number of times you've accessed it.</p>
  <p>You have accessed this page <span id="accessCount">0</span> times.</p>

```

```

</div>

<script>
// Function to render the shopping list from local storage
function renderShoppingListFromStorage() {
    var list = document.getElementById("list");
    list.innerHTML = "";
    var storedList = JSON.parse(localStorage.getItem("shoppingList"));
    if (storedList) {
        storedList.forEach(function(item) {
            var li = document.createElement("li");
            li.textContent = item;
            list.appendChild(li);
        });
    }
}

// Function to add item to the shopping list and update local storage
function addItem() {
    var input = document.getElementById("item");
    var item = input.value;
    if (item.trim() !== "") {
        var list = JSON.parse(localStorage.getItem("shoppingList")) || [];
        list.push(item);
        localStorage.setItem("shoppingList", JSON.stringify(list));
        renderShoppingListFromStorage();
        input.value = "";
    } else {
        alert("Please enter an item.");
    }
}

// Function to update and display access count
function updateAccessCount() {
    // Retrieve access count from local storage
    var accessCount = localStorage.getItem("accessCount");
    if (accessCount) {
        // Increment the count
        accessCount = parseInt(accessCount) + 1;
    } else {
        // If it's the first time, set count to 1
        accessCount = 1;
    }
    // Update local storage with new count
    localStorage.setItem("accessCount", accessCount);
    // Display the count on the page
    document.getElementById("accessCount").textContent = accessCount;
}

// Call the function to render the shopping list from local storage
renderShoppingListFromStorage();

```

```
// Call the function to update and display access count
updateAccessCount();
</script>

</body>
</html>
```

Output:-

