**1. What is localStorage?**

localStorage is a built-in JavaScript object that allows you to store data persistently in the user's browser. The data stored in localStorage does not expire and will remain even if the browser is closed or the page is refreshed.

**Example :**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title>Local Storage Example</title>**

**</head>**

**<body>**

**<h1>Local Storage Example</h1>**

**<input type="text" id="dataInput" placeholder="Enter some data">**

**<button id="storeBtn" onclick="storeData()">Store Data</button>**

**<button id="removeBtn" onclick="removeData()">Remove Data</button>**

**<h2>Stored Data:</h2>**

**<p id="storedData">No data stored.</p>**

**<script>**

**// Function to retrieve data from localStorage and display it**

**function displayData() {**

**const storedData = localStorage.getItem('data');**

**if (storedData) {**

**document.getElementById('storedData').innerHTML = 'Stored Data: ' + storedData;**

**} else {**

**document.getElementById('storedData').innerHTML = 'No data stored.';**

**}**

**}**

**// Function to store data into localStorage**

**function storeData() {**

**const data = document.getElementById('dataInput').value;**

**if (data) {**

**localStorage.setItem('data', data);  // Store data in localStorage**

**displayData();  // Update displayed data**

**document.getElementById('dataInput').value = '';  // Clear input field**

**}**

**}**

**// Function to remove data from localStorage**

**function removeData() {**

**localStorage.removeItem('data');  // Remove data from localStorage**

**displayData();  // Update displayed data**

**}**

**// Display data on page load (even after a refresh)**

**displayData();**

**</script>**

**</body>**

**</html>**