**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY &**

**RESEARCH**

**Department of Computer Engineering**

**Subject Name: Web Development Framework**

**Semester: III**

**Subject Code: ITEU204**

**Academic year: 2025-26 [ODD]**

Practical File

|  |  |
| --- | --- |
| **No.** | **Aim of the Practical** |
| 3. | **Problem Definition:**  Create dynamic content such as collapsible FAQs, popups, and sliders in portal pages.  **PROGRAM CODE:**  <!DOCTYPE html>  <html>  <head>      <title>Simple DOM Example</title>      <style>          body {              font-family: Arial;              margin: 20px;          }          .question {              background-color: #f2f2f2;              padding: 10px;              margin-bottom: 5px;              cursor: pointer;              border: 1px solid #ccc;          }          .answer {              display: none;              padding: 10px;              border: 1px solid #ccc;              border-top: none;              margin-bottom: 10px;          }          .slider {              width: 300px;              height: 200px;              overflow: hidden;              border: 2px solid black;              margin-top: 20px;          }          .slides {              display: flex;              transition: transform 0.5s;          }          .slides img {              width: 300px;              height: 200px;              object-fit: cover;              flex-shrink: 0;          }          button {              margin: 5px;          }      </style>  </head>  <body>      <h2>FAQs</h2>      <div class="question">What is this page?</div>      <div class="answer">This is a simple page using JavaScript DOM.</div>      <div class="question">What can you do here?</div>      <div class="answer">You can toggle FAQs, show a popup, and slide images.</div>      <h2>Popup</h2>      <button onclick="showPopup()">Click for Popup</button>      <h2>Image Slider</h2>      <div class="slider">          <div class="slides" id="slider">              <img src="f1.jpg">              <img src="f2.jpeg">              <img src="f3.jpeg">          </div>      </div>      <button onclick="prevSlide()">Previous</button>      <button onclick="nextSlide()">Next</button>      <script>          const questions = document.querySelectorAll('.question');          questions.forEach(q => {              q.addEventListener('click', () => {                  const answer = q.nextElementSibling;                  answer.style.display = (answer.style.display === 'block') ? 'none' : 'block';              });          });          function showPopup() {              alert("Hello! This is a popup.");          }          let index = 0;          const slider = document.getElementById("slider");          const total = slider.children.length;          function updateSlider() {              slider.style.transform = "translateX(" + (-300 \* index) + "px)";          }          function nextSlide() {              index = (index + 1) % total;              updateSlider();          }          function prevSlide() {              index = (index - 1 + total) % total;              updateSlider();          }      </script>  </body>  </html>  **OUTPUT:**        **Conclusion:**  I learned how to use JavaScript DOM to create interactive elements like FAQs, pop-ups, and image sliders. It helped me understand how to manipulate HTML elements and respond to user actions dynamically. |