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:** See code below

```html
<!DOCTYPE html>
<html>
<head>
  <title>Simple DOM Example</title>
  <style>
    body {
      font-family: Arial;
      margin: 20px;
    }
```

```css
.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>
```

```html
    </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:

FAQs

What is this page?
What can you do here?

Popup

Click for Popup

Image Slider

Previous   Next

FAQs

What is this page?
This is a simple page using JavaScript DOM.
What can you do here?
You can toggle FAQs, show a popup, and slide images.

Popup

Click for Popup

Image Slider

Previous   Next

FAQs

What is this page?

What can you do here?

Popup

Click for Popup

Image Slider

Previous   Next

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.