

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Toggle M3</title>
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      margin: 0;
    }

    #toggleButton {
      background-color: #4169e1; /* Royal blue color */
      color: white;
      padding: 10px 20px;
      font-size: inherit;
      text-align: center;
      cursor: pointer;
      border: 1px solid #1e90ff; /* Slightly lighter border color */
      border-radius: 5px; /* Add border radius for curved edges */
    }

    #statusText {
      text-align: center;
    }
  </style>
</head>
<body>

  <button id="toggleButton" onclick="toggleM3()">Loading...</button>
  <p id="statusText">Fetching data...</p>

  <script>
    function toggleM3() {
      var button = document.getElementById("toggleButton");
      var statusText = document.getElementById("statusText");

      // Fetch the current value from Thingspeak

```

```
fetch("https://api.thingspeak.com/channels/2384399/fields/7/last.txt?api_key=3D8NH4JCI0EDYMIU")
```

```
    .then(response => {  
      if (!response.ok) {  
        throw new Error('Network response was not ok');  
      }  
      return response.text();  
    })  
    .then(value => {  
      if (value.trim() === '255') {  
        // M3 is currently ON  
        button.innerHTML = "Turn M3 OFF";  
        statusText.innerHTML = "M3 is ON";  
        button.onclick = function() {
```

```
executeAPI("https://api.thingspeak.com/update?api_key=ELW2NF5Q83OGB39G&field7=0");  
    };  
    } else if (value.trim() === '0') {  
      // M3 is currently OFF  
      button.innerHTML = "Turn M3 ON";  
      statusText.innerHTML = "M3 is OFF";  
      button.onclick = function() {
```

```
executeAPI("https://api.thingspeak.com/update?api_key=ELW2NF5Q83OGB39G&field7=255");  
    };  
    } else {  
      throw new Error('Invalid response from Thingspeak');  
    }  
  })  
  .catch(error => {  
    console.error('Error fetching data from Thingspeak:', error);  
    button.innerHTML = "Error";  
    statusText.innerHTML = "Error fetching data";  
  });  
}
```

```
function executeAPI(apiUrl) {  
  // Make API request  
  fetch(apiUrl)  
    .then(response => {  
      if (!response.ok) {  
        throw new Error('Network response was not ok');  
      }  
    }
```

```
        return response.json();
    })
    .then(data => {
        console.log('API Response:', data);
        // After successful execution, toggle the button state
        toggleM3();
    })
    .catch(error => console.error('Error making API request:', error));
}

// Initialize the button state on page load
toggleM3();

// Update the status every second
setInterval(toggleM3, 1000);
</script>

</body>
</html>
```

**Output:**

