Module 2: Website Layouts
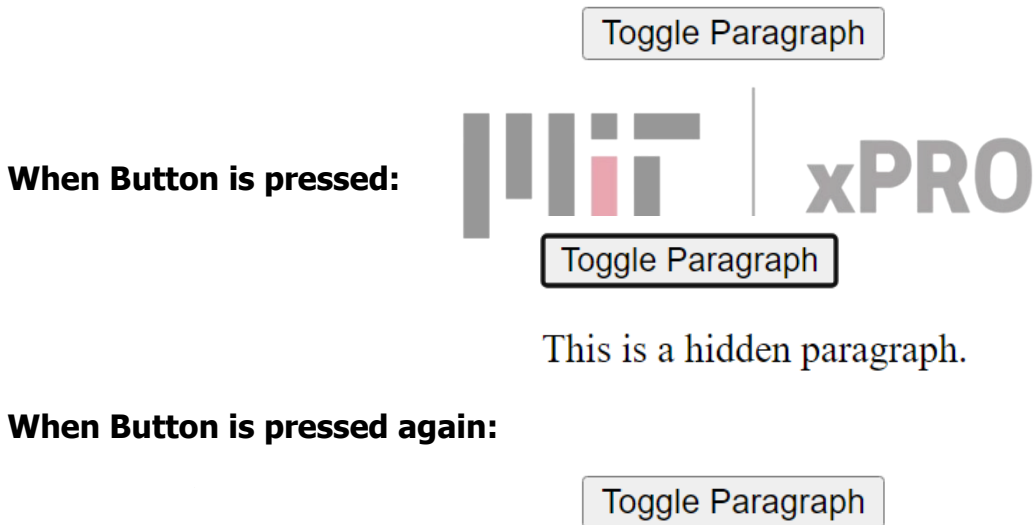
Video 2.4: Three Languages HTML, CSS, and JavaScript - Solution

Exercises

Task 1: Toggle Button

Create a button that toggles the visibility of a hidden paragraph when selected.

Desired Output:

When Button is pressed:
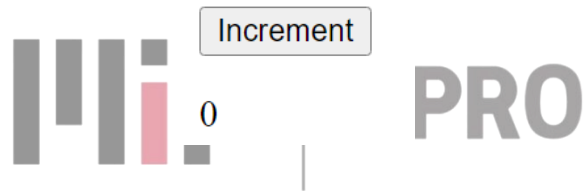

When Button is pressed again:

Solution Code (script.js):

```javascript
document.addEventListener("DOMContentLoaded", function () {
    var toggleButton = document.getElementById("toggleButton");
    var hiddenParagraph = document.getElementById("hiddenParagraph");
    toggleButton.addEventListener("click", function () {
        hiddenParagraph.classList.toggle("hidden");
    });
});
```

Task 2: Counter

Create a counter that increases when a button is selected.

Desired Output:

When Button is pressed:

Pressed again:

Solution Code (script.js):

```javascript
document.addEventListener("DOMContentLoaded", function () {
    var incrementButton = document.getElementById("incrementButton");
    var countElement = document.getElementById("count");
    var count = 0;
    incrementButton.addEventListener("click", function () {
        count++;
        countElement.textContent = count;
    });
});
```
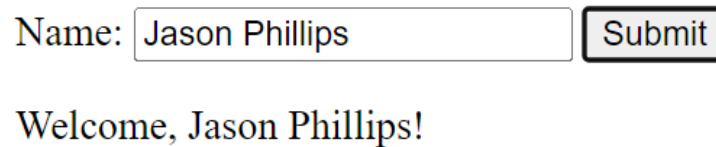
Task 3: Interactive Form

Create a form that displays a welcome message with the entered name when submitted.

Desired Output:

Name: [_____] Submit

When name is entered and submitted:

Name: [Jason Phillips   ] Submit

Welcome, Jason Phillips!

Solution Code (script.js):

```javascript
document.addEventListener("DOMContentLoaded", function () {
    var nameForm = document.getElementById("nameForm");
    var nameInput = document.getElementById("nameInput");
    var welcomeMessage = document.getElementById("welcomeMessage");
    var nameSpan = document.getElementById("nameSpan");
    nameForm.addEventListener("submit", function (event) {
        event.preventDefault();
        var enteredName = nameInput.value;
        nameSpan.textContent = enteredName;
        welcomeMessage.classList.remove("hidden");
    });
});
```