

Topic: JavaScript Calculator Assignment using Bootstrap CSS and JavaScript Module

- Started by creating the basic HTML structure for the page. Included the necessary head and body tags.
- Then imported the Bootstrap CSS file to utilize Bootstrap components and styles.
- Then added a form element to encapsulate the inputs and submit button. Inside the form, created three input elements. Two inputs for the numbers and one dropdown for the operator selection.
- Then assigned appropriate IDs to these elements for accessing them in JavaScript.
- Used Bootstrap classes to style the inputs and dropdown, ensuring they aligned properly.
- Then added a submit button to the form, allowing users to calculate the answer. Applied the necessary Bootstrap classes to style the button.
- Then inserted an input element for displaying the answer. And made it read-only by setting the "readonly" attribute. Assigned it an ID for JavaScript access. Applied Bootstrap classes to style the answer box.
- Then created a JavaScript function that will be triggered when the submit button is clicked. Inside this function, retrieve the values entered in the number inputs and operator dropdown. And performs the necessary calculations based on the operator selected and update the answer box accordingly.
- Then added event listeners to the number inputs and operator dropdown. When any of these inputs change, it will clear the answer box by setting its value to an empty string. This ensures that the user needs to click the submit button again to calculate the updated answer.
- Customized the text and background colours using Bootstrap CSS.
- Then Tested the functionality of the page by entering different numbers and operators.
- Verified that the answer is calculated correctly and the answer box behaves as expected.
- Added comments to the HTML and JavaScript code to explain the purpose of each section and provide clarity to others.

Learnings and Conclusions:

Learned how to use Bootstrap CSS and JavaScript module as a simple and advance form for making dynamic webpages.