**22103052**

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**Week 1 Assignment**

Question 5

**index.html**

* Metadata for browser compatibility, viewport settings, and description.

 Preloading of font assets for faster loading.

 JavaScript setup for DOM manipulation and local storage settings.

 CSS for styling the calculator interface.

 The main calculator layout with buttons for digits, operations, and actions.

 Event handling for button clicks and keydown events.

 Sections for displaying calculation results and errors.

**ci\_basic\_calculator.php**

**Security Checks**: Ensures the file isn't accessed directly (ABSPATH) and that the add\_shortcode function exists.

**Shortcode Function**: Defines a function display\_calcio\_ci\_basic\_calculator that:

* + Sets the calculator page to index.html.
  + Returns HTML code to display the calculator with a title and an iframe containing the calculator.
  + The iframe dynamically adjusts its height based on its content.

**Registering the Shortcode**: Uses add\_shortcode to register the [ci\_basic\_calculator] shortcode, which calls the display\_calcio\_ci\_basic\_calculator function to embed the calculator.