

Exercise: Exploring CSS Units

Objective: Create a simple webpage layout that helps you understand the difference between `px`, `em`, `rem`, and `vw` units by applying them to different elements.

Tasks:

1. Create a container with a fixed width in pixels (`px`). Inside, add a paragraph with text styled using `em` for font size.
2. Next to the first container, create another container with the same content but style the paragraph using `rem` for font size.
3. Create a third container with a header that uses viewport width (`vw`) for its font size.

Your Goals:

- Notice how the font size of the paragraph in the first container changes when you modify the font size of its parent container.
- Observe the difference in scaling between the paragraph in the second container compared to the first, when you change the root (`html`) font size.
- See how the header in the third container responds to the viewport's width change.

Hint for Self-Learning:

- Experiment with changing the root font size (`html`), the container's font size, and the viewport size. Observe how each unit (`em`, `rem`, `vw`) responds to these changes. Use web resources or documentation to understand why these units behave differently.