HTML + CSS (Full Course test)

1. What is the purpose of HTML and CSS in web development? Explain the key differences between the two.
2. Explain the differences between `<div>` and `<span>` elements in HTML. When and how would you use each of them in a web page?
3. Explain the CSS Box Model. What are the main components of the Box Model, and how does it affect the layout of elements on a web page?
4. What is the difference between inline and block-level elements in HTML? Provide examples of each and explain their typical use cases.
5. Explain the concept of CSS specificity. How does it affect the application of styles in CSS, and how can specificity conflicts be resolved?
6. What is responsive web design, and how can it be achieved using CSS? Provide an example of a CSS feature used in responsive design.
7. Explain the difference between relative and absolute positioning in CSS. When and why would you use each type of positioning?
8. You are tasked with creating a responsive navigation menu for a website. The menu should collapse into a mobile-friendly "hamburger" icon when viewed on smaller screens (e.g., screens with a max-width of 768px). When the "hamburger" icon is clicked, the menu should expand, and the links should be displayed vertically.