

4. List any 3 ways which help us in improving the accessibility of HTML

Improving the accessibility of HTML involves making conscious design and development choices to ensure that web content is accessible to individuals with disabilities. Here are three ways to enhance HTML accessibility:

1. **Proper Semantic Structure:** Use HTML elements in a semantically meaningful way to provide structure and context to web content. Utilize appropriate elements like `<header>`, `<nav>`, `<main>`, `<section>`, `<article>`, and `<footer>` to organize content logically. This helps assistive technologies and screen readers to understand the relationships between different parts of the webpage.
2. **Alternative Text for Images:** Provide descriptive alternative text (alt text) for images using the `alt` attribute. Alt text should convey the purpose and meaning of the image, ensuring that users with visual impairments can understand the content even if they cannot see the images. Avoid leaving the `alt` attribute empty or using generic phrases like "image" or "photo." Instead, provide specific and concise descriptions.
3. **Proper Form Labels:** Associate form elements with their labels using the `for` attribute and the `id` attribute. Labels provide context and instructions for form fields, making them more accessible to users relying on screen readers or keyboard navigation. Ensure that form elements like `<input>`, `<textarea>`, and `<select>` have descriptive labels to enhance usability and clarity.

These three practices are foundational in improving HTML accessibility, but there are numerous other techniques and considerations to ensure a more inclusive web experience. It is essential to follow established accessibility guidelines, such as the Web Content Accessibility Guidelines (WCAG), and conduct thorough testing with assistive technologies to identify and address any accessibility barriers.