

Question 4

4. What are 3 ways to improve the accessibility of HTML?

Answer :

1. **Use Semantic HTML:** Utilize proper HTML elements to convey meaning (e.g., headings, lists, and landmarks).
 - **Why we should use Semantic HTML:** Semantic HTML elements (like `<header>`, `<nav>`, `<main>`, `<footer>`, `<article>`, and `<section>`) help screen readers and other assistive technologies understand the structure and purpose of your content.
 - **How Should we use it:** Replace generic elements like `<div>` and `` with semantic HTML elements that describe the content's role. For example, use `<button>` for clickable actions rather than styling a `<div>` to look like a button.
2. **Provide Text Alternatives:** Use `alt` attributes for images and provide transcripts for audio and video content.
 - **Why we should use:** Alternative text (alt text) describes images for users who cannot see them, such as those using screen readers or with visual impairments.
 - **How we can use:** Use the `alt` attribute in `` tags to provide a concise description of the image's content or purpose. For purely decorative images, use `alt=""` to ensure they are ignored by screen readers.
3. **Ensure Keyboard Navigation:** Make sure all interactive elements can be accessed and operated using a keyboard.
 - **Why we need to use:** Many users rely on keyboard navigation instead of a mouse. Ensuring that all interactive elements can be accessed and used via keyboard is crucial for accessibility.
 - **How we can use it:** Make sure that all form fields, links, and buttons are focusable and usable with the keyboard. You can use the `tabindex` attribute to control the order of focusable elements, and ensure that custom interactive elements have appropriate keyboard event handlers.

Improving HTML accessibility involves making web content usable by people with a variety of disabilities. Here are three effective ways to enhance HTML accessibility: