Exercice de compréhension écrite : HTML et CSS

Instructions : Lisez attentivement le texte suivant, puis répondez aux questions qui suivent.

Texte

HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) are the fundamental technologies used to create and design websites. HTML provides the structure of the page, while CSS is used to control the presentation, formatting, and layout.

In HTML, elements are represented by tags. For example, the `<p>` tag is used to define a paragraph, and the `<a>` tag is used to create a hyperlink. HTML tags can also have attributes that provide additional information about the element. For instance, the `href` attribute in the `<a>` tag specifies the URL of the link.

CSS, on the other hand, is used to apply styles to HTML elements. A CSS rule consists of a selector and a declaration block. The selector targets the HTML element to be styled, and the declaration block contains one or more declarations separated by semicolons. Each declaration includes a property and a value. For example, the rule `p { color: blue; }` sets the text color of all `<p>` elements to blue.

CSS can be added to HTML in three different ways: inline styles, internal stylesheets, and external stylesheets. Inline styles are added directly to the HTML element using the `style` attribute. Internal styles are placed within the `<style>` tag in the `<head>` section of the HTML document. External stylesheets are separate files that are linked to the HTML document using the `<link>` tag.

Responsive design is an important aspect of modern web development. It ensures that web pages look good on all devices, from desktops to smartphones. Media queries are a key feature of CSS that allow developers to apply different styles based on the device's characteristics, such as its width and height.

Questions

1. What is the main purpose of HTML?
2. What does the `<a>` tag do in HTML?
3. Describe the structure of a CSS rule.
4. Name three ways to add CSS to an HTML document.
5. Why is responsive design important in web development?
6. What are media queries used for in CSS?