8. In how many ways can a CSS be integrated as a web page?

Integrating CSS into a web page can be approached in several ways, depending on the specific requirements and preferences of the developer or the project. Here are the common methods:

1. **Inline CSS:** CSS styles are directly embedded within the HTML elements using the style attribute. For example:

html

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<p style="color: red; font-size: 16px;">This is a paragraph</p>

In this method, CSS is applied directly to individual HTML elements.

1. **Internal CSS:** CSS styles are defined within the <style> element in the <head> section of the HTML document. For example:

html

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<head>

<style>

p {

color: red;

font-size: 16px;

}

</style>

</head>

<body>

<p>This is a paragraph</p>

</body>

In this method, CSS styles apply to all elements within the HTML document.

1. **External CSS:** CSS styles are defined in a separate .css file and linked to the HTML document using the <link> element in the <head> section. For example:

html

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<head>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

Inside styles.css:

css

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p {

color: red;

font-size: 16px;

}

In this method, the CSS styles are reusable across multiple HTML documents by linking to the same .css file.

Each method has its advantages and use cases. The number of ways to integrate CSS into a web page is typically considered as three main methods: inline, internal, and external CSS. These methods provide flexibility and maintainability options depending on the complexity and scope of the web project.