

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

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

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

```
html
Copy code
<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.

3. **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
Copy code
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.