

Q.3 Write a short note on tags, elements, and attributes along with relevant examples?

ANS. In web development, tags, elements, and attributes play important roles in structuring and defining the content of a webpage. Here's a short note on each of these concepts:

1.Tags:

Tags are the building blocks of HTML (Hypertext Markup Language) and XML (eXtensible Markup Language) documents. They define the structure and formatting of the content within a document. Tags are enclosed in angle brackets ("<>" and "</>") and usually come in pairs: an opening tag and a closing tag. The opening tag denotes the beginning of an element, while the closing tag marks its end. For example:

```
<p>This is a paragraph.</p>
```

In the example above, the <p> tag represents a paragraph element. The opening tag <p> denotes the start of the paragraph, and the closing tag </p> signifies its end.

2.Elements:

Elements are made up of tags and the content between them. They represent specific types of content or functional elements within a webpage. Elements can contain other elements and For instance, the following HTML snippet demonstrates the structure of a simple webpage:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Webpage</title>
  </head>
  <body>
    <h1>Welcome to My Webpage</h1>
    <p>This is a paragraph.</p>
  </body>
</html>
```

3.Attributes:

Attributes provide additional information about an element. They are placed within the opening tag of an element and consist of a name and a value. Attributes can be used to modify the behavior, appearance, or other properties of an element. Here's an example:

```
<a href="https://www.example.com">Visit Example Website</a>
```


